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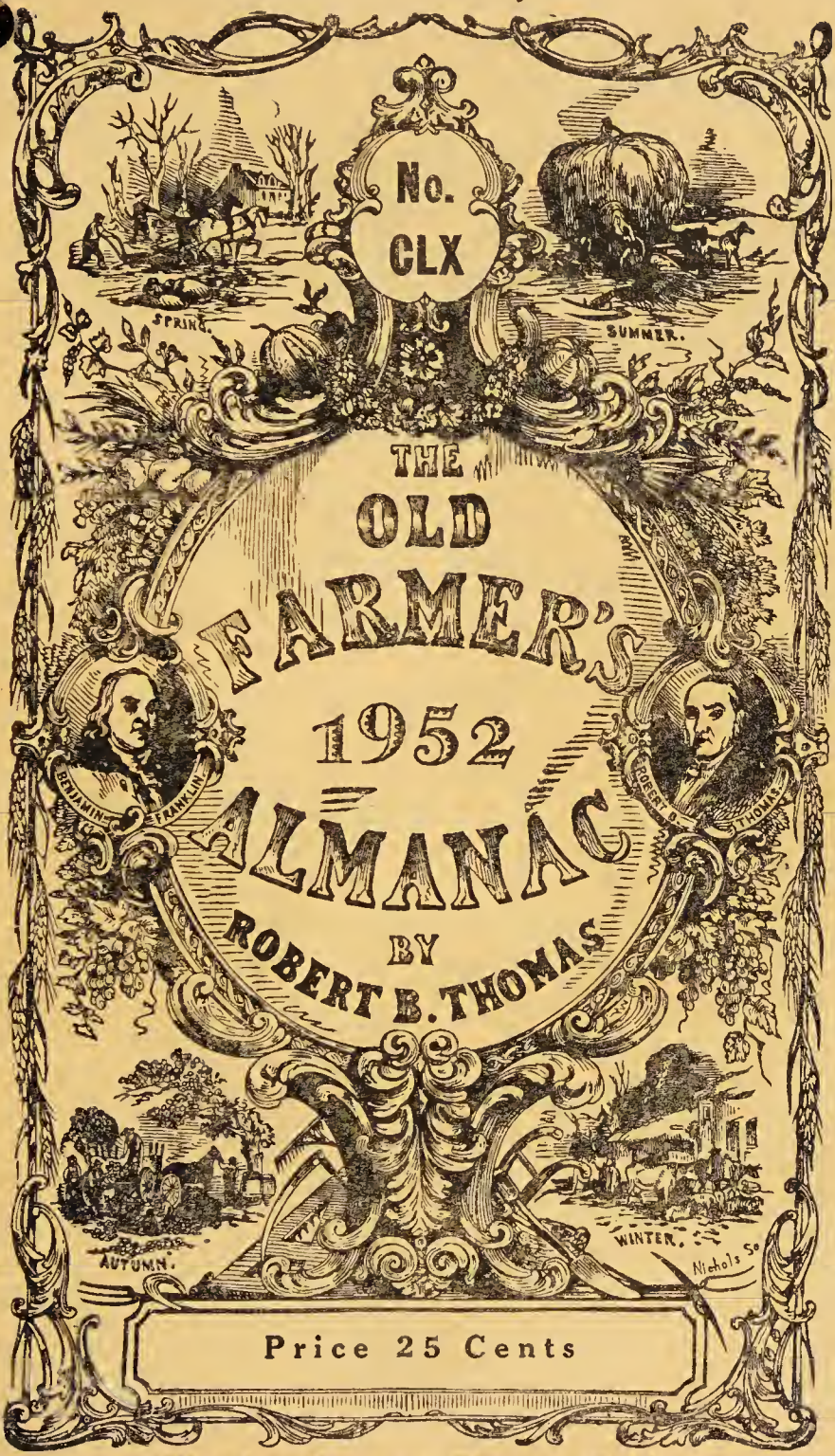
AY81 .F306 1952

The 160th Anniversary Edition.




ANECDOTES, PLEASANTRIES, FARM CALENDAR EACH MONTH, RECIPES, PHOTOGRAPHS.

THIS IS THE ORIGINAL ROBT. B. THOMAS FARMER'S ALMANAC FIRST ISSUED IN 1792 FOR THE YEAR 1793, AND PUBLISHED EVERY YEAR SINCE

ANC

Weather Forecast, Planting Tables.

TOWER LIGHTS

**Sometimes they're red,**
**Sometimes they're blue**
**Let it never be said**
**You don't know the clue**

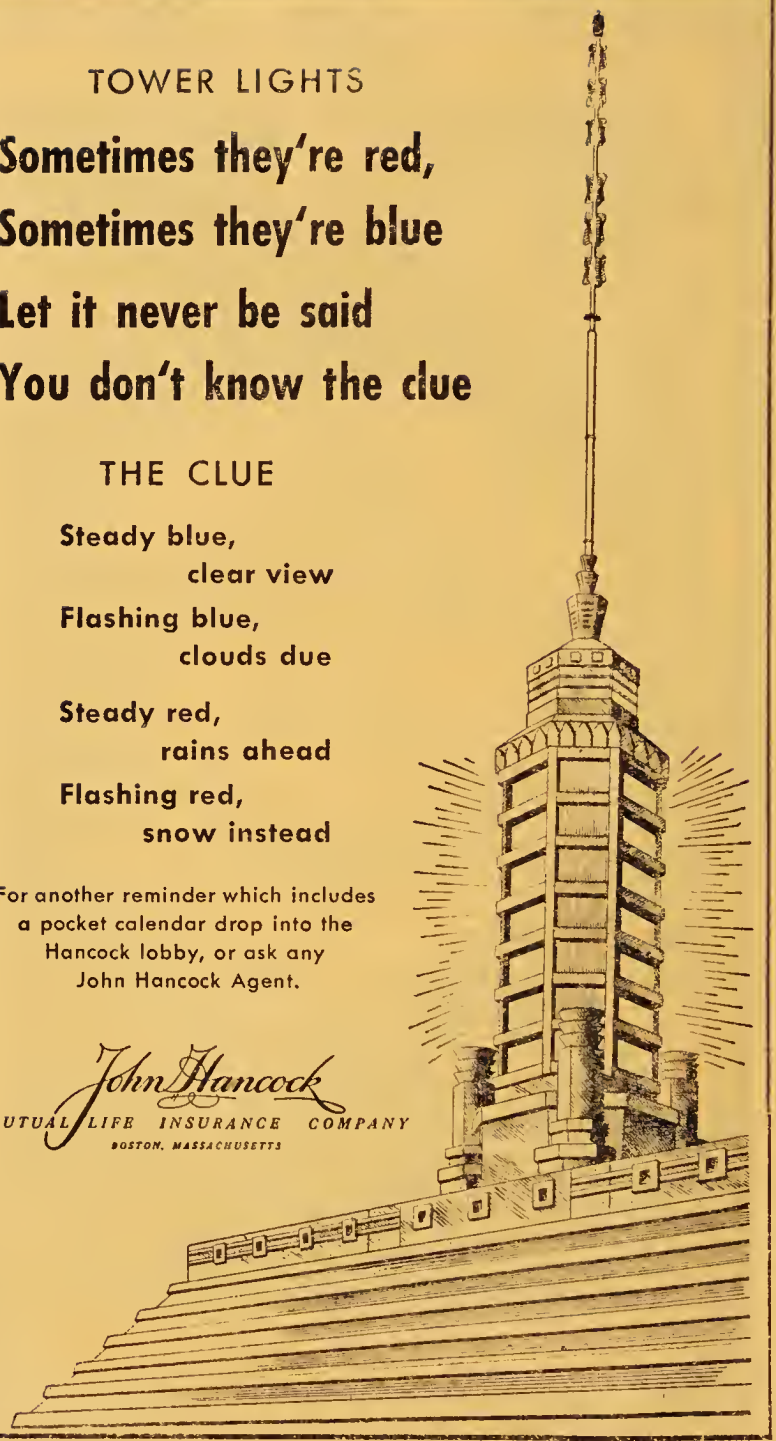
THE CLUE

**Steady blue,**
**clear view**
**Flashing blue,**
**clouds due**

**Steady red,**
**rains ahead**
**Flashing red,**
**snow instead**

For another reminder which includes a pocket calendar drop into the Hancock lobby, or ask any John Hancock Agent.

John Hancock
MUTUAL LIFE INSURANCE COMPANY
BOSTON, MASSACHUSETTS



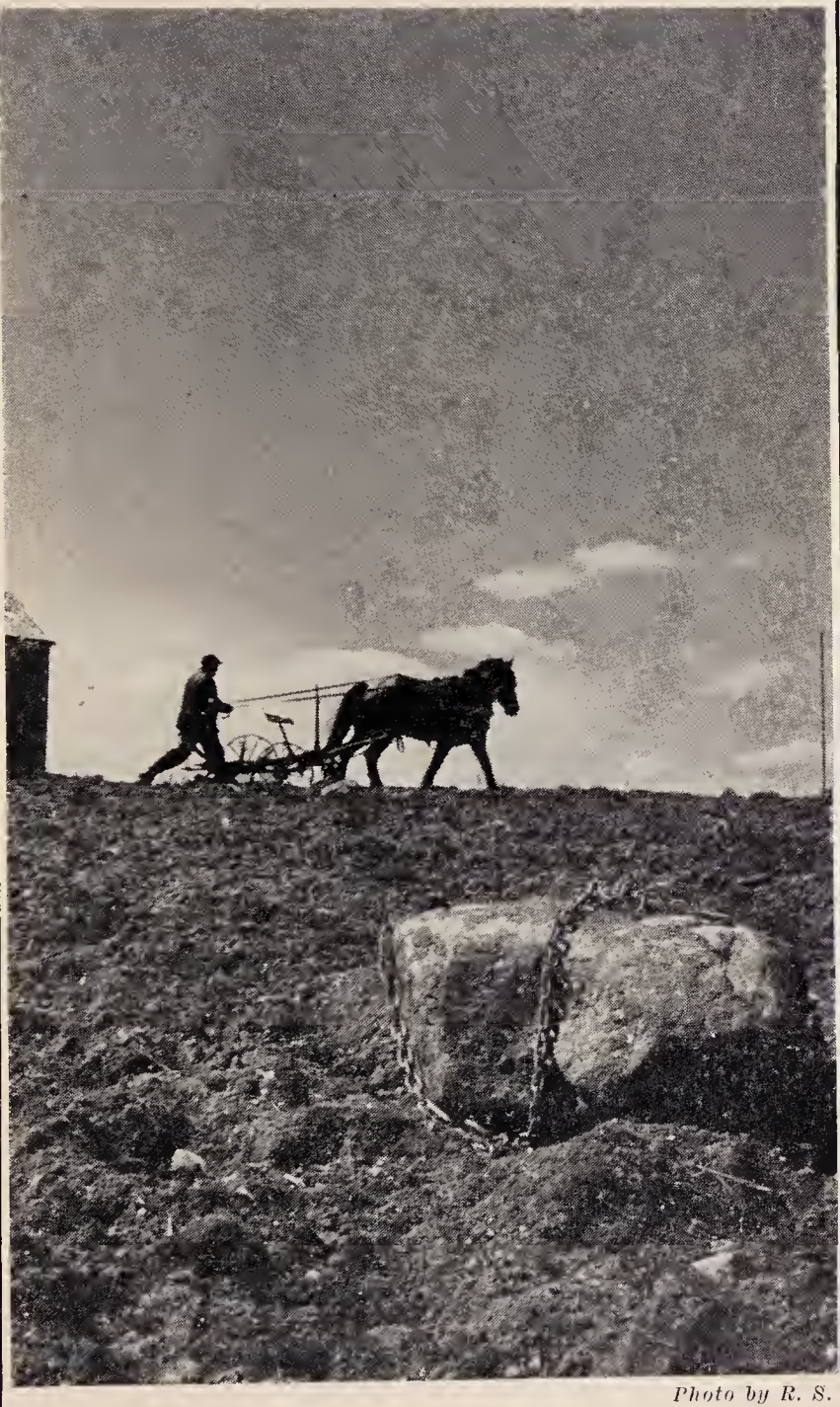


*Photo by R. S.*

UNFINISHED BUSINESS

Spring ploughing on farm of George Hughgill, Rindge, New Hampshire.

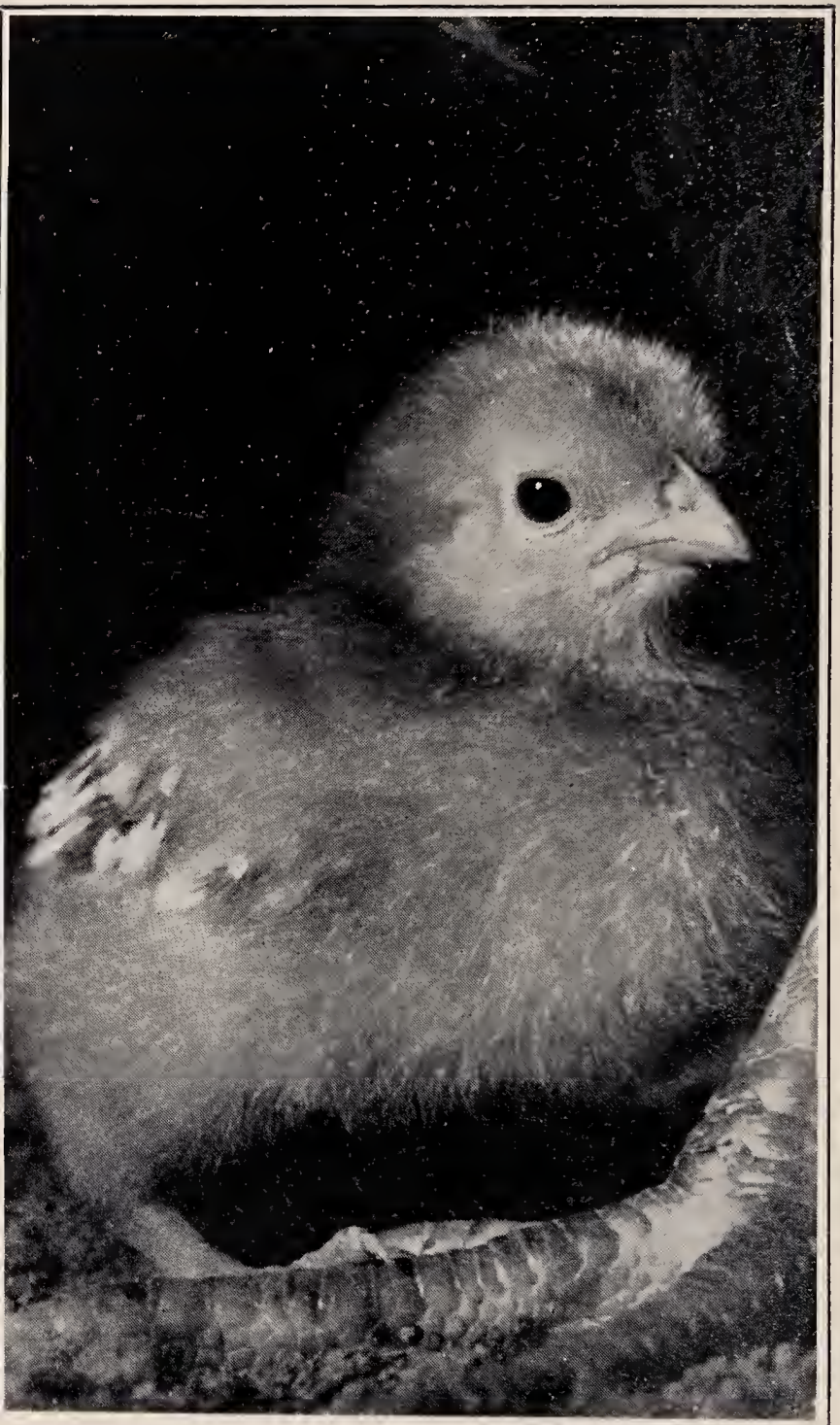


*Photo by John A. Vondell*

"Hatch your chicks by the Spring Equinox."

*Photo by R. S.*

A ROADSIDE BEAUTY
Jaffrey, New Hampshire.

*Photo by R. S.*

"IN THE GOOD OLD SUMMERTIME"
Provincetown, Massachusetts.

THE
(OLD)

# FARMER'S ALMANACK,

CALCULATED ON A NEW AND IMPROVED PLAN
FOR THE YEAR OF OUR LORD

# 1952

Being BISSEXTILE or LEAP YEAR, and (until July 4)
176th year of American Independence

FITTED FOR BOSTON, AND THE NEW ENGLAND STATES, WITH SPECIAL CORRECTIONS AND CALCULATIONS TO ANSWER FOR ALL THE UNITED STATES.

Containing, besides the large number of Astronomical Calculations and the Farmer's Calendar for every month in the year, a variety of

NEW, USEFUL, AND ENTERTAINING MATTER.

ESTABLISHED IN 1792

**BY ROBERT B. THOMAS.**

HINTS AND HOME QUESTIONS

You say you can do thus and thus, if you try. Why don't you try then? "Things out of hope are compassed oft by venturing." We may all learn great lessons from the promioent discoveries of the times: from the Locomotive, punctuality; from the Telegraph, brevity and speaking to the point; from the Daguerrotype, quiet composure; from Chloroform, to trust in Providence, nor dread pain; from the Friction Match, to heed small things, for "how great a matter a little fire kindleth!" and from Agricultural Chemistry, to respect "book farming."

*From the 1852 Old Farmer's Almanac.*

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DR. EUGENE L. SWAN
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DUBLIN, N. H.

*Sold By:*
THE AMERICAN NEWS CO.
AND BRANCHES

*Please address all correspondence to Yankee, Inc., Dublin, N. H.*

## TO PATRONS & CORRESPONDENTS

This is the 160th consecutive annual edition of The Old Farmer's Almanac(k). It is for the year 1952, or Atomic Year 8. In reply to the challenges of agnosticism, Communism, aggression, and jingoism, this most powerful country in the world finds its people joined with some other free peoples in the defence and furtherance of individual happiness. The immediate task is seen as prevention of a third world war. Far more important, however, is the realization that until and unless the Golden Rule becomes the measuring stick of all nations and all peoples, individual happiness is not attainable. Our preparations make it clear that we know and will pay whatever is the price of freedom.

In the meanwhile, our own house (we have found in investigation after investigation) needs putting in order. Is this the happy life, we have asked ourselves, which bears with it so much restlessness, corruption, consumption of hard liquors, cigarettes, cosmetics, comic books, insanity, divorce, et al? Have we become the captives (rather than the owners) of these scientific and material advantages we had hoped would set us spiritually free? Conservation of our natural resources, and wild life; riddance of smoke from our cities and pollution from our rivers and beaches; clearance of billboards from our highways; these programs and others of like nature are finding wide support. It is not too early to approach similar programs with regard to jet and other aeroplane noise without; radio, television, and telephone noise within; motor vehicle traffic and hazards alongside.

Concurrently, in our pursuit of happiness, we are also finding that the more power and money we grant to our Federal and State and City and Town governments to carry out our wishes in these regulatory respects for the benefit of all of us, the nearer we approach confiscatory taxation and socialism. It could be that Education will be far more effective in bringing us to the happy existence than will the current emphasis on Regulation.

In this edition, David Morton of Deerfield, Massachusetts, has once again prepared the calendar page poetry; Benjamin M. Rice of Peterborough, New Hampshire, the farm calendars, anecdotes and pleasantries, charades, puzzles; Loring Andrews, now of Scarsdale, New York, the astronomical matter; Abraham Weatherwise, the weather. Many governmental and other private sources have been of inestimable help. An Index appears on page 110, Explanations on pages 11, 102, & 103, Corrections (so the Almanac can be used anywhere) on 103 through 107 and on 101. A careful study of these explanations will add much to your enjoyment and knowledge of the universe.

Mrs. B. D. R., Spokane, Wash.: Your request as to where you may purchase a stone jug foot warmer as a substitute for your electric heating pad has been referred to the Society for the Return of the Double Bed. Mr. I. F. E., Dubuque, Iowa: In reply to your query as to how to make a rope ladder, we suggest you first throw the rope in the air, then climb to the top of it, taking another rope with you, and simply knot the two together with cross pieces on the way down. N. W. C. T. U., Evanston, Ill.: With regard to your query about advertising alcoholic beverages in the O.F.A.; we respectfully submit that on and off since the publication of the famous "130 Questions" in our edition of 1833, we have taken the stand that the feeding of babies with gin is far more expensive than the use of milk and fruit juices. Our own hard cider makes a good cheap drink but nobody seems to want to advertise that. Jesse Buffum, WEEI, Boston: In quoting regularly from the O.F.A., as you apparently do, on your so called "New England Almanac" early morning hour, we have noticed several times you have difficulty in pronouncing the final "k" in the credit line for The Old Farmer's Almanac(k). Harry Lauder could do it—why can't you?

In conclusion, it is hoped this Almanac may merit the continuance of the splendid support it has received from its many loyal friends. Man, however, in these things can only propose. God is the true disposer. In this then it is by our works and not our words we would be judged. These we hope will sustain us in the humble, though proud, station we have so long held, in the name of

Your ob'd servant,

June 17, 1951.

Robert B. Thomas.

# FELSO

## WASHES EVERYTHING BETTER!

*...and so gentle on hands!*

There's only one "proof of the pudding" when you buy washing products. That's to try them . . . at home . . . with your own wash. Compare . . . feel your FELSO-clean clothes.

Try FELSO.
You'll see that gentle just-right suds give you the freshest, most fragrant, sweetest-smelling wash. Did you ever see whiter sheets and shirts . . . brighter, more colorful prints? Did you ever feel softer, fluffier laundry . . . or any so easy to iron? And how soft and smooth your hands are after you use FELSO.

## ECLIPSES FOR THE YEAR 1952

In the year 1952 there will be four eclipses, two of the Sun, and two of the Moon. Of these, only the Partial Eclipse of the Moon on February 10 will be visible in whole or in part from points in and east of the Mountain Time belt of the United States; the other three eclipses will be invisible from the United States.

I. **A Partial Eclipse of the Moon,** February 10, 1952. The beginning will be visible generally in Asia, the Indian Ocean except the eastern part, Europe, Africa, the Arctic regions, the Atlantic Ocean, North America except the western and northwestern parts, and South America except the extreme southern part. The ending will be visible generally in western Asia, the western part of the Indian Ocean, Europe, Africa, the Arctic regions, the Atlantic Ocean, North America except the extreme western and northwestern parts, South America, and the extreme southeastern part of the Pacific Ocean. The eclipse is of small magnitude; but approximately 9 per cent of the moon's diameter will fall within the earth's shadow at maximum eclipse.

II. **A Total Eclipse of the Sun,** February 25, 1952, invisible from the United States. The path of totality of this eclipse sweeps from a point in the South Atlantic midway between the humps of Brazil and Africa, across central Africa from Libreville on the west coast to Port Sudan on the Arabian Gulf, thence across Saudi Arabia to Basra on the Persian Gulf and on northeastward into Russia to an ending in Siberia. As a partial exclipse it will be visible throughout most of Europe, Asia and Africa.

III. **A Partial Eclipse of the Moon,** August 5, 1952, invisible from the United States. The beginning of this eclipse will be visible generally in the western Pacific, Australia, Antarctica, Asia except the extreme northeastern part, the Indian Ocean, Europe with the exception of the western part, Africa except the northwestern part, and the southeastern Atlantic. The ending will be visible generally in Australia except the extreme eastern part, Asia except the northeastern part, the Indian Ocean, Antarctica, Europe, Africa, the Atlantic Ocean except the northwestern part, and the eastern part of South America.

IV. **An Annular Eclipse of the Sun,** August 20, 1952, invisible from the United States. The path from which this eclipse may be seen in its annular phase is restricted to the South Pacific and South Atlantic except for that section of the path which crosses South America in a generally southeasterly direction from Lima, Peru, on the west coast to a point just northeast of Montevideo, Uruguay, on the east coast. As a partial eclipse it may be seen from all points in South and Central America and the islands of the Carribean except for a few of the Bahamas.

## OCCULTATIONS, 1952

There will be no occultations of stars or planets worthy of note to naked eye observers during 1952.

## EARTH IN PERIHELION AND APHELION, 1952

The Earth will be in Perihelion on January 4, 4 P.M., distant from the Sun 91,332,000 miles. The Earth will be in Aphelion on July 2, 9 P.M., distant from the Sun 94,451,000 miles.

## WEEKEND HOLIDAYS and the WEATHER

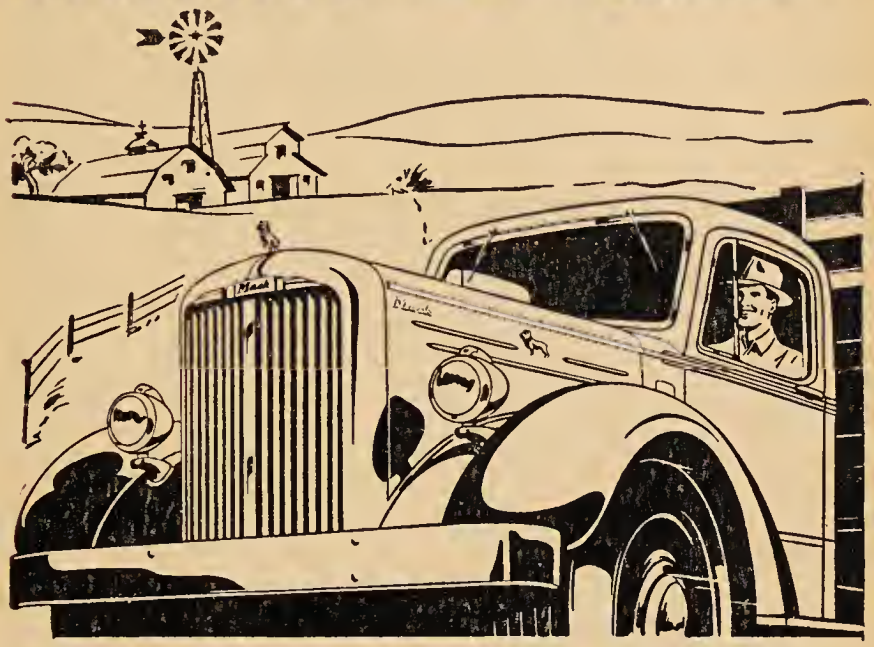
Working folks in 1952 can look forward to four three day weekends; namely, over Washington's Birthday, Memorial Day, Independence Day, and Labor Day. There is a possible four day vacation for some of New Year's, Lincoln's, Bunker Hill, Election, Thanksgiving, and Christmas, New Hampshirites will have a three day respite over Fast Day but Patriot's and Columbus Day fall, respectively, on Saturday and Sunday. The full list follows with the weather expected for each:

January 1. Tuesday. Snow.
February 12. Tuesday. Cold.
February 22. Friday. Snow.
April 19. Saturday. Showers.
April 21. Monday. Showers.
May 30. Friday. Misty.
June 17. Tuesday. Clear.
July 4. Friday. Clear.
September 1. Monday. Clear.
October 12. Sunday. Clear.
November 4. Tuesday. Cold.
November 27. Thursday. Stormy.
December 25. Thursday. Rain or snow.

A complete list of all holidays appears on page 95.

# "Built Like a Mack"

## MEANS LONG-TERM RELIABILITY



## In FARM and FARM-TO-MARKET TRUCKING

Intelligent farmers know that quality-built equipment not only pays its way but makes money for them, too.

We took space in this fine almanac because intelligent farmers read it. They *can* afford Mack trucks even though they may cost a little more.

For more detailed information and the name and address of the Mack branch or distributor nearest you, just drop us a line.

Mack TRUCKS

***outlast them all***

Mack Trucks, Inc., Empire State Bldg., New York 1, N. Y. Factories at Allentown, Pa.; Plainfield, N. J.; Long Island City, N. Y. Factory branches and distributors in all principal cities for service and parts. In Canada: Mack Trucks of Canada, Ltd.

# 1951

## JANUARY.

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# 1952

## JANUARY.

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# 1953

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| 26 | 27 | 28 | 29 | 30 | 31 | - |
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## AUGUST.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| - | - | - | - | - | - | 1 |
| 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 | 13 | 14 | 15 |
| 16 | 17 | 18 | 19 | 20 | 23 | 22 |
| 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 31 | - | - | - | - | - |

## SEPTEMBER.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| - | - | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | - | - | - |
| - | - | - | - | - | - | - |

## OCTOBER.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| - | - | - | - | 1 | 2 | 3 |
| 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| - | - | - | - | - | - | - |

## NOVEMBER.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | - | - | - | - | - |
| - | - | - | - | - | - | - |

## DECEMBER.

| S | M | T | W | T | F | S |
|---|---|---|---|---|---|---|
| - | - | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | - | - |
| - | - | - | - | - | - | - |

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F.C.A.

## LAST WINTER'S WEATHER

### (Nov. & Dec., 1950 — Jan., Feb., March, 1951)

Even by Abe Weatherwise's standards last winter could scarcely be considered anything except "Mild." Abe's forecast was for "Plenty of Snow and Plenty Cold." And even if the winter were mild, we would imagine that for most people Abe was a hundred per cent right. For the technically minded, however, Abe's idea that November was going to be "colder than most years" does not tie in well with the fact that this month, along with the rest of the winter, except March, actually averaged in temperature a few degrees above normal years. In saying that this month and December would have their full share of rain and snow, Abe was of course right. The storm of Nov. 24, 25, and 26 turned out to be the greatest catastrophe ever suffered by insurance companies operating in the Northeast, and precipitation during these two months totalled well above average (November had its 4th highest in 65 years). January, just as Abe said it would, started off cold enough (27 deg.) and the **Boston Herald** of February 1st in reviewing that month's weather, without knowledge of Abe's forecast for the last half of the month, stated that "the last ten days of the month had practically everything weatherwise" which was exactly as Abe announced it would—even unto a large amount of snow on the ground on February 1.

This particular snow did not last into March on the ground in Boston as Abe had foreseen it would but skiers at Stowe, Vermont, and some other northern resorts had no fault to find with the best Spring skiing in years.

In comparing Abe's forecast with those of the United States Weather Bureau and others which are made up considerably less in advance than his, Abe is seen to have maintained his position as leader in this field. Not one foresaw a mild winter and not one succeeded in giving warning of the November 24th gale or the January 31st snowstorm—the only two important storms of the season. Some went considerably wrong in February and March as well as in November and December. None hit January with the accuracy which Abe did. As most forecasts are based on averages and comparisons taken from the past, it can be assumed that rarely, if ever, will these catch an unusual extreme such as a gale, or hurricane, or blizzard. Abe does not foretell all of these always either but occasionally his formula does turn them up . . . as for example, in his forecast for next winter which follows directly below.

## NEXT WINTER'S WEATHER . . . "Stormy"

### (Nov. & Dec., 1951 — Jan., Feb., March, 1952)

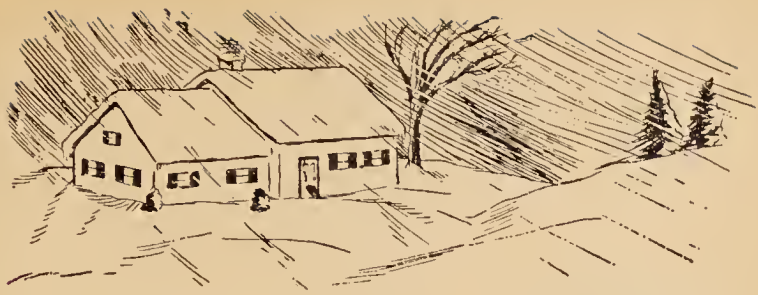
November, 1951: Starts off windy and with cold rains, then with an Indian Summer which will occur earlier in the month than its traditional date there will be a few mild days. The week of the 13th to the 20th, however, will surely be blustery and contain at least one bad storm. After that expect clear weather for a week, followed by rain or snow.

December, 1951: Cold, windy, and with snow flurries until the 13th at which date until the end of the month, rain and snow will alternate with cold northwest winds.

January, 1952: The last week is the only one which will be fine and cold. From the 18th to the 25th, it will be overcast and dull—with perhaps a thaw. From the 11th to the 18th, there will be fair, cold days, followed by rain or snow or both, and from the first to the 10th, fair weather will be continually interrupted by moderate snow storms.

February, 1952: Groundhog Day fair and clear on the 2nd will mean the winter is but half over, and will be followed with rain or snow from the 3rd to the 9th during which time it will clear off cold and lead into a real cold spell from the 10th to the 17th at which time (18th to 25th) look for a real blizzard which will peter out (25th-29th) with milder days and probably rain or heavy snow.

March, 1952: The first ten days will be unsettled ones, mild and for the most part, dull. Then from the 11th to the 17th will come storms of wind and rain and snow until this month takes on a cold and clear pattern during the week of the 18th to the 25th. The end of March will be fine and warm.



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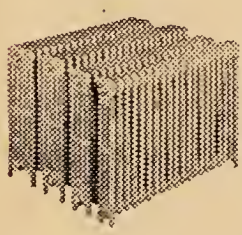
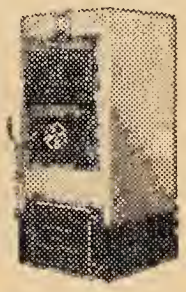


Utica Radiators



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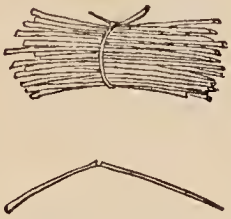

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# HOW TO USE THIS ALMANAC

The following Calendar Pages (12–35) have remained practically unchanged in format since the first issue in 1793. Those not familiar with the signs, abbreviations, etc., should realize that the understanding of this time-honored format is easily come by—and contains for the year 1952: the angle of the sun's declination, the times of the change of the moon's phases, sunrise, sunset, day's length, sun dial adjustments, high tides, moon rise, moon set, moon southing, moon's place in the heavens, and the moon's age—for every day in the year. On the right hand pages are expressed, by means of the symbols explained below, the relative positions during the year of the eleven planets including our sun and moon; daily tide heights, and in italic type, coursing down just to the left of the Farm Calendar, the weather which may be expected for the days which the italic sentence covers. On these right hand pages are also indicated all the important religious Holy Days of all faiths—national and state holidays—historic dates—and advice as to when the sap starts to run, birds, return, etc.

The Moon Signs used by many for planting are given in the next to last column of the left hand pages. Abbreviations used in this column are explained below and correspond to the positions on Moon Sign Man—familiar to many—but never used in this Almanac . . . before this year. See page 37. In the last column of the Planting Table which follows these Calendar Pages on page 38 you will find the dates which moon addicts use as most favorable for planting.

For the adjustment of the times given, to those of your locality turn to page 103.

## Calendar Page Explanations and Signs

On the right hand pages you will find every now and again the symbols given in Tables 1 and 2 conjoined in groups of three to give you what is happening in the heavens. See Abbreviations and Definitions on page 103.

### 1. Names and Characters of the Principal Planets.

☉ ☿ ♀ ♁ The Sun.
● ☽ ☾ ☌ The Moon.
☿ Mercury.
♀ Venus.
♁ The Earth.
♂ Mars.
♃ Jupiter.
♄ Saturn.
♅ or ⛢ Uranus.
♆ Neptune.
♇ Pluto.

### 2. Names and Characters of the Aspects.

☌ Conjunction, or in the same degree.
□ Quadrature, 90 degrees.
☍ Opposition, or 180 degrees.
☊ Dragon's Head, or Ascending Node.
☋ Dragon's Tail, or Descending Node.

### 3. Names, Abbreviations and Characters of the Signs of the Zodiac.

1. ♈ Aries, head. ARI
2. ♉ Taurus, neck. TAU
3. ♊ Gemini, arms. G'M
4. ♋ Cancer, breast. CNC
5. ♌ Leo, heart. LEO
6. ♍ Virgo, belly. VIR
7. ♎ Libra, reins. LIB
8. ♏ Scorpio, secrets. SCO
9. ♐ Sagittarius, thighs. SGR
10. ♑ Capricornus, knees. CAP
11. ♒ Aquarius, legs. AQR
12. ♓ Pisces, feet. PSC

Consult page 37 for Zodiacal Superstitions

### 4. Chronological Cycles for 1952.

| | | | |
|---|---|---|---|
| Golden Number . . . | 15 | Solar Cycle . . . . . | 1 |
| Epact . . . . . | 3 | Dominical Letter . . | FE |
| Roman Indiction . . . | 5 | | |
| Year of Julian Period | 6665 | | |

### Movable Feasts and Fasts for 1952.

| | | | | | |
|---|---|---|---|---|---|
| Septuagesima Sun. | Feb. 10 | Good Friday | Apr. 11 | Whitsunday | June 1 |
| Shrove Sunday | Feb. 24 | Easter Sunday | Apr. 13 | Trinity Sunday | June 8 |
| Ash Wednesday | Feb. 27 | Low Sunday | Apr. 20 | Corpus Christi | June 12 |
| 1st Sun. in Lent | Mar. 2 | Rogation Sun. | May 18 | 1st Sunday in Advent | Nov. 30 |
| Palm Sunday | Apr. 6 | Ascension Day | May 22 | | |

## THE SEASONS, 1952

*Eastern Standard Time*

| | | | | |
|---|---|---|---|---|
| Winter Solstice (Winter, 1951), | December 22, 11.01 A.M. | — Sun enters | Capricornus, | ♑ |
| Vernal Equinox (Spring, 1952), | March 20, 11.14 A.M. | — " " | Aries, | ♈ |
| Summer Solstice (Summer), | June 21, 6.13 A.M. | — " " | Cancer, | ♋ |
| Autumnal Equinox (Autumn), | September 22, 9.49 P.M. | — " " | Libra, | ♎ |
| Winter Solstice (Winter), | December 21, 4.44 P.M. | — " " | Capricornus, | ♑ |

**STANDARD TIME IS USED THROUGHOUT THIS ALMANAC**

Add one hour to obtain Daylight Saving Time.

1952] JANUARY, First Month.

ASTRONOMICAL CALCULATIONS.

☉'s Declination.

| Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 23s.03 | 7 | 22 27 | 13 | 21 34 | 19 | 20 27 | 25 | 19 06 |
| 2 | 22 58 | 8 | 22 19 | 14 | 21 24 | 20 | 20 15 | 26 | 18 51 |
| 3 | 22 53 | 9 | 22 11 | 15 | 21 14 | 21 | 20 02 | 27 | 18 36 |
| 4 | 22 47 | 10 | 22 03 | 16 | 21 03 | 22 | 19 48 | 28 | 18 21 |
| 5 | 22 41 | 11 | 21 54 | 17 | 20 51 | 23 | 19 35 | 29 | 18 05 |
| 6 | 22 34 | 12 | 21 44 | 18 | 20 39 | 24 | 19 20 | 30 | 17 49 |

☽ First Quarter, 3rd day, 11 h. 42 m., evening, W.
○ Full Moon, 11th day, 11 h. 55 m., evening, E.
☾ Last Quarter, 20th day, 1 h. 09 m., morning, E.
● New Moon, 26th day, 5 h. 26 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 103 THROUGH 107

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea, Boston. Morn h. | Even h. | ☽ Sets. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 1 | Tu. | 7 13 | O | 4 22 | C | 9 10 | 12 | 1¾ | 2 | 9P44 | H | 3P51 | PSC | 4 |
| 2 | 2 | W. | 7 13 | O | 4 23 | C | 9 10 | 12 | 2¾ | 3 | 10P56 | I | 4 38 | PSC | 5 |
| 3 | 3 | Th. | 7 13 | O | 4 24 | C | 9 11 | 12 | 3½ | 4 | — | — | 5 24 | ARI | 6 |
| 4 | 4 | Fr. | 7 13 | O | 4 25 | C | 9 12 | 11 | 4½ | 5 | 12A06 | K | 6 09 | ARI | 7 |
| 5 | 5 | Sa. | 7 13 | O | 4 26 | C | 9 13 | 11 | 5½ | 6 | 1 14 | L | 6 54 | TAU | 9 |
| 6 | 6 | S. | 7 13 | N | 4 27 | C | 9 14 | 10 | 6½ | 7 | 2 22 | N | 7 42 | TAU | 10 |
| 7 | 7 | M. | 7 13 | N | 4 28 | D | 9 15 | 10 | 7¼ | 8 | 3 29 | O | 8 31 | G'M | 11 |
| 8 | 8 | Tu. | 7 13 | N | 4 29 | D | 9 16 | 9 | 8¼ | 8¾ | 4 34 | P | 9 22 | G'M | 12 |
| 9 | 9 | W. | 7 13 | N | 4 30 | D | 9 17 | 9 | 9 | 9¾ | 5 33 | Q | 10 13 | G'M | 13 |
| 10 | 10 | Th. | 7 12 | N | 4 31 | D | 9 18 | 8 | 9¾ | 10½ | 6A26 | Q | 11 04 | CNC | 14 |
| 11 | 11 | Fr. | 7 12 | N | 4 32 | D | 9 20 | 8 | 10½ | 11 | rises | — | 11P54 | CNC | 15 |
| 12 | 12 | Sa. | 7 12 | N | 4 33 | D | 9 21 | 8 | 11¼ | 11¾ | 4P57 | C | — | — | — |
| 13 | 13 | S. | 7 12 | N | 4 34 | D | 9 23 | 7 | 11¾ | — | 6 02 | E | 12A42 | LEO | 16 |
| 14 | 14 | M. | 7 11 | N | 4 35 | D | 9 24 | 7 | 0¼ | 0½ | 7 05 | F | 1 26 | LEO | 17 |
| 15 | 15 | Tu. | 7 11 | N | 4 36 | D | 9 26 | 7 | 1 | 1 | 8 07 | G | 2 09 | LEO | 18 |
| 16 | 16 | W. | 7 10 | N | 4 38 | D | 9 27 | 6 | 1½ | 1¾ | 9 10 | H | 2 50 | VIR | 19 |
| 17 | 17 | Th. | 7 10 | N | 4 39 | D | 9 29 | 6 | 2¼ | 2½ | 10 14 | J | 3 31 | VIR | 20 |
| 18 | 18 | Fr. | 7 09 | N | 4 40 | D | 9 31 | 6 | 3 | 3¼ | 11P19 | K | 4 12 | LIB | 21 |
| 19 | 19 | Sa. | 7 09 | N | 4 41 | D | 9 32 | 5 | 3¾ | 4 | — | — | 4 55 | LIB | 22 |
| 20 | 20 | S. | 7 08 | N | 4 42 | D | 9 34 | 5 | 4½ | 5 | 12A28 | M | 5 41 | SCO | 23 |
| 21 | 21 | M. | 7 08 | N | 4 44 | D | 9 36 | 5 | 5½ | 6 | 1 41 | N | 6 31 | SCO | 24 |
| 22 | 22 | Tu. | 7 07 | N | 4 45 | D | 9 38 | 4 | 6¼ | 7 | 2 57 | O | 7 28 | SGR | 25 |
| 23 | 23 | W. | 7 06 | N | 4 46 | D | 9 40 | 4 | 7½ | 8 | 4 11 | P | 8 30 | SGR | 26 |
| 24 | 24 | Th. | 7 06 | N | 4 47 | D | 9 42 | 4 | 8½ | 9 | 5 21 | P | 9 35 | CAP | 27 |
| 25 | 25 | Fr. | 7 05 | N | 4 49 | D | 9 44 | 4 | 9¼ | 10 | 6A20 | P | 10 42 | CAP | 28 |
| 26 | 26 | Sa. | 7 04 | M | 4 50 | D | 9 47 | 3 | 10¼ | 11 | sets | — | 11A45 | AQR | 29 |
| 27 | 27 | S. | 7 03 | M | 4 51 | E | 9 48 | 3 | 11¼ | 11¾ | 5P58 | E | 12P44 | AQR | 1 |
| 28 | 28 | M. | 7 02 | M | 4 53 | E | 9 50 | 3 | — | 0 | 7 19 | G | 1 38 | PSC | 2 |
| 29 | 29 | Tu. | 7 01 | M | 4 54 | E | 9 52 | 3 | 0½ | 1 | 8 35 | I | 2 28 | PSC | 3 |
| 30 | 30 | W. | 7 00 | M | 4 55 | E | 9 55 | 3 | 1½ | 1¾ | 9 49 | J | 3 16 | ARI | 4 |
| 31 | 31 | Th. | 6 59 | M | 4 56 | E | 9 57 | 2 | 2¼ | 2¾ | 11P00 | L | 4P03 | ARI | 5 |

# JANUARY hath 31 days. [1952

Where all's collapse and chaos, now,
And dust of these ousoures the sun,
And light that defied the brow
Darkens with what it looks upon,
Permit the singing lips rehearse
The service for a sweeter time,
A ceremonial, in verse,
A pregnant ritual, in rhyme:
And take your stand and stay to see
The wild and frightened and absurd
Collapsing chaos turn and flee
Before the grave compulsive word.

| D. M. | D. W. | Aspects, Holidays, Heights of High Water, Weather, etc. | Farmer's Calendar. |
|---|---|---|---|
| 1 | Tu. | Circumcision. Tides 10.0 10.8 | Many |
| 2 | W. | ☌☌♆ ☾ on Eq. Tides 9.9 10.3 | good |
| 3 | Th. | ♂ ☉ ☌♃☾ Tides 9.8 9.6 | Snows |
| 4 | Fr. | No U. S. debt 1842 ⊕ in Peri Tides 9.6 9.0 | will |
| 5 | Sa. | Take down Xmas greens □♄☉ Tides 9.5 8.5 | run |
| 6 | FE | Epiph. ☿ Gr. El. W Tides 9.4 8.1 | the |
| 7 | M. | Plough Monday Tides 9.3 7.9 | ski |
| 8 | Tu. | Battle of New Orleans Hol. La. Tides 9.4 7.9 | tows. |
| 9 | W. | First steam vessel arrived ☾ runs high. Tides 9.5 7.9 | |
| 10 | Th. | At New Orleans 1812 Tides 9.6 8.0 | Now |
| 11 | Fr. | Wolf moon ☌ ☉ ☾ Tides 9.6 8.2 | fair |
| 12 | Sa. | □♆☉ ☾ in Apo. Tides 9.7 8.8 | and |
| 13 | FE | 1st S. af. E. Tides 9.7 — | cold |
| 14 | M. | St. Hilary Coldest in year Tides 8.5 9.7 | while |
| 15 | Tu. | Squaw "Diving Mouse" died in London Tides 8.7 9.6 | you |
| 16 | W. | during visit of Chief "Little Tides 8.8 9.4 | shovel |
| 17 | Th. | Boar" of Michigan ☾ on Eq. Tides 8.9 9.1 | white |
| 18 | Fr. | In the year 1835. ☿ in ♒ 9.0 6.8 | gold. |
| 19 | Sa. | Robt. E. Lee Birthday ☌♄☾ ☌♆☾ 9.1 8.6 | |
| 20 | FE | 2d S. a. Ep. ☌☌☾ 9.8 8.3 | Raw |
| 21 | M. | As these days begin □☌☉ Tides 9.5 8.2 | for |
| 22 | Tu. | to lengthen, the cold Tides 9.8 8.2 | a |
| 23 | W. | begins to strengthen. Tides 10.1 8.5 | thaw. |
| 24 | Th. | ♆ Stat. In R.A. ☌♀☾ ☾ rides low. 10.6 8.9 | Cold |
| 25 | Fr. | ☌☿☾ ♄ Stat. In R.A. 11.0 9.4 | enough |
| 26 | Sa. | Gale of 1839 ☾ in Peri Hol. Ark. Tides 11.4 9.9 | to |
| 27 | FE | 3d S. af. E. Tides 11.6 10.2 | freeze |
| 28 | M. | Boil snails in barley, to cure ☿ in Aph. — 11.6 | gramp's |
| 29 | Tu. | that cough, Charley (1758) 10.4 11.3 | whiskered |
| 30 | W. | F.D.R's Day Hol. Ky., W.Va. ☾ on Eq. 10.5 10.3 | knees. |
| 31 | Th. | Kwajalein 1944 ☌ ☉ ☾ Tides 10.8 10.1 | |

My good old neighbors tell me that in the first year of their married life (some sixty years ago) one of the main roads of the town was the now lovely, but impassable, lane behind our house. Outlined in towering maples and magnificent stone walls, it is a foot track only. Of the red brick schoolhouse that stood at the crossroads of the lane and the "winter road" that wound from the center of the town up the long valleys to the north, there is no sign, though an idle foot poking in the leaves may turn over an earth-covered brick, an epitaph to geuerations of farm boys who lived their lives out here at the coruers.

These thousands of acres were farm land once—fairly rich iu flocks and grains and orchards. The four corners of yesterday are the haunts today of beaver, deer, and even an occasional bear.

Such abandoned corners are to be found throughout New Euglaud—seemiugly strauge contradictions in an age of vastly increasing populatiou and travel. Yet uot contradictions, really, siuce our generatious prefer to shrink to the towns and seek elbow to elbow sidewalk living and their precious three freedoms of radio, television, aud hot-dog stands.

As the ages see it, it is well for the land that the four corners return to the wilderness. What is lost is the heritage of character, of courage and hardiness, that belonged especially to those who loved the soil and made it their own.

## ASTRONOMICAL CALCULATIONS.

| ☉'s Declination. | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 17s. 15 | 7 | 15 29 | 13 | 13 33 | 19 | 11 29 | 25 | 9 18 |
| | 2 | 16 58 | 8 | 15 10 | 14 | 13 12 | 20 | 11 07 | 26 | 8 56 |
| | 3 | 16 41 | 9 | 14 51 | 15 | 12 52 | 21 | 10 46 | 27 | 8 33 |
| | 4 | 16 23 | 10 | 14 32 | 16 | 12 31 | 22 | 10 24 | 28 | 8 11 |
| | 5 | 16 05 | 11 | 14 12 | 17 | 12 11 | 23 | 10 02 | 29 | 7 48 |
| | 6 | 15 47 | 12 | 13 53 | 18 | 11 50 | 24 | 9 40 | | |

☽ First Quarter, 2nd day, 3 h. 01 m., evening, E.
○ Full Moon, 10th day, 7 h. 28m., evening, E.
☾ Last Quarter, 18th day, 1 h. 01 m., evening, W.
● New Moon, 25th day, 4 h. 16 m., morning, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 103 THROUGH 107

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea, Boston. Morn h. | Full Sea, Boston. Even h. | ☽ Sets. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 32 | 1 | Fr. | 6 58 | M | 4 58 | E | 9 59 | 2 | 3 | 3½ | — | – | 4PM49 | TAU | 6 |
| 33 | 2 | Sa. | 6 57 | M | 4 59 | E | 10 02 | 2 | 4 | 4½ | 12AM10 | M | 5 37 | TAU | 7 |
| 34 | 3 | S. | 6 56 | M | 5 00 | E | 10 04 | 2 | 4¾ | 5½ | 1 19 | O | 6 26 | TAU | 8 |
| 35 | 4 | M. | 6 55 | M | 5 02 | E | 10 06 | 2 | 5¾ | 6½ | 2 26 | P | 7 17 | G'M | 9 |
| 36 | 5 | Tu. | 6 54 | M | 5 03 | E | 10 09 | 2 | 6¾ | 7½ | 3 27 | Q | 8 09 | G'M | 10 |
| 37 | 6 | W. | 6 53 | M | 5 04 | E | 10 11 | 2 | 7¾ | 8½ | 4 22 | Q | 9 00 | CNC | 11 |
| 38 | 7 | Th. | 6 52 | M | 5 06 | E | 10 15 | 2 | 8½ | 9¼ | 5 09 | P | 9 50 | CNC | 12 |
| 39 | 8 | Fr. | 6 51 | M | 5 07 | E | 10 16 | 2 | 9½ | 10 | 5 48 | P | 10 39 | CNC | 13 |
| 40 | 9 | Sa. | 6 49 | L | 5 08 | F | 10 19 | 1 | 10 | 10¾ | 6AM19 | N | 11PM24 | LEO | 14 |
| 41 | 10 | S. | 6 48 | L | 5 10 | F | 10 21 | 1 | 10¾ | 11¼ | rises | – | — | — | — |
| 42 | 11 | M. | 6 47 | L | 5 11 | F | 10 24 | 1 | 11½ | — | 6PM00 | G | 12AM08 | LEO | 15 |
| 43 | 12 | Tu. | 6 46 | L | 5 12 | F | 10 26 | 1 | 0 | 0 | 7 03 | H | 12 49 | VIR | 16 |
| 44 | 13 | W. | 6 44 | L | 5 13 | F | 10 29 | 1 | 0½ | 0¾ | 8 06 | I | 1 30 | VIR | 17 |
| 45 | 14 | Th. | 6 43 | L | 5 15 | F | 10 32 | 1 | 1 | 1¼ | 9 11 | K | 2 11 | LIB | 18 |
| 46 | 15 | Fr. | 6 42 | L | 5 16 | F | 10 34 | 1 | 1¾ | 2 | 10 18 | L | 2 53 | LIB | 19 |
| 47 | 16 | Sa. | 6 40 | L | 5 17 | F | 10 37 | 2 | 2¼ | 2¾ | 11PM29 | M | 3 38 | LIB | 20 |
| 48 | 17 | S. | 6 39 | L | 5 19 | F | 10 40 | 2 | 3 | 3½ | — | – | 4 26 | SCO | 21 |
| 49 | 18 | M. | 6 37 | L | 5 20 | F | 10 42 | 2 | 4 | 4½ | 12AM41 | N | 5 19 | SCO | 22 |
| 50 | 19 | Tu. | 6 36 | L | 5 21 | F | 10 45 | 2 | 5 | 5½ | 1 55 | P | 6 17 | SGR | 24 |
| 51 | 20 | W. | 6 35 | L | 5 22 | F | 10 48 | 2 | 6 | 6½ | 3 05 | Q | 7 18 | SGR | 25 |
| 52 | 21 | Th. | 6 33 | K | 5 24 | G | 10 50 | 2 | 7 | 7¾ | 4 06 | P | 8 22 | CAP | 26 |
| 53 | 22 | Fr. | 6 32 | K | 5 25 | G | 10 53 | 2 | 8 | 8¾ | 4 56 | O | 9 25 | CAP | 27 |
| 54 | 23 | Sa. | 6 30 | K | 5 26 | G | 10 56 | 2 | 9 | 9¾ | 5 35 | N | 10 24 | AQR | 28 |
| 55 | 24 | S. | 6 29 | K | 5 27 | G | 10 59 | 2 | 10 | 10½ | 6AM07 | L | 11AM21 | AQR | 29 |
| 56 | 25 | M. | 6 27 | K | 5 29 | G | 11 02 | 2 | 11 | 11½ | sets | – | 12PM13 | PSC | 0 |
| 57 | 26 | Tu. | 6 25 | K | 5 30 | G | 11 04 | 3 | 11¾ | — | 7PM23 | I | 1 03 | PSC | 1 |
| 58 | 27 | W. | 6 24 | K | 5 31 | G | 11 07 | 3 | 0¼ | 0½ | 8 37 | K | 1 51 | ARI | 2 |
| 59 | 28 | Th. | 6 22 | K | 5 32 | G | 11 10 | 3 | 1 | 1½ | 9 50 | L | 2 39 | ARI | 3 |
| 60 | 29 | Fr. | 6 21 | K | 5 34 | G | 11 13 | 3 | 1¾ | 2¼ | 11PM02 | N | 3PM28 | TAU | 4 |

## FEBRUARY hath 29 days. [1952

Restless, he laid his book aside,
And made a pilgrimage to snow.—
He stepped into a world so wide,
So trackless of a way to go,

For such a small, anonymous wight,
He turned and looked the way he came,
And saw the house, the window light
And all that knew him by his name,—.

And stepped in his own tracks, again,
To his own door . . . and rested, then.

| D.M. | D.W. | Aspects, Holidays, Heights of High Water, Weather, etc. | Farmer's Calendar. |
|---|---|---|---|
| 1 | Fr. | St. Bridget. Arbor Day {10.1 9.4 | *Tomorrow's* |
| 2 | Sa. | Purif. of Mary Groundhog Day {9.7 8.7 | *clear,* |
| 3 | FE | 4th S. af. E. Tides {9.4 8.1 | *oh* |
| 4 | M. | Severus, Emperor of Britain, Died 211 Tides {9.1 7.6 | *dear!* |
| 5 | Tu. | Penn. Railroad wreck, 1951 Tides {8.9 7.5 | *Two* |
| 6 | W. | Four negroes called on Mrs. ☾ runs high {8.9 7.5 | *winters* |
| 7 | Th. | Lincoln at the White ♂ ☉ ☾ Tides {9.0 7.7 | *this* |
| 8 | Fr. | House in 1864. ☾ in Apo. Tides {9.2 8.0 | *year.* |
| 9 | Sa. | "Uncle" George Putnam d. 1951 ♂ ♀ ☉ {9.4 8.3 | *Another* |
| 10 | FE | Septuag. S. ☾ Partial Eclipse {9.5 8.6 | *Cold* |
| 11 | M. | Set your hens before Feb. 25th Tides {9.6 — | *spell* |
| 12 | Tu. | Lincoln's Birthday Tides {8.8 9.7 | *rings* |
| 13 | W. | Cotton Mather D. 1728 ☾ on Eq. {9.1 9.6 | *the* |
| 14 | Th. | St. Valentine Hol. Ariz. Tides {9.3 9.4 | *bell.* |
| 15 | Fr. | Susan Anthony ♂ ♄ ☾ ♂ Ψ ☾ {9.5 9.2 | *Now* |
| 16 | Sa. | U.S. Purch. Panama Canal strip 1903 Tides {9.6 8.9 | *comes* |
| 17 | FE | Sexag. S. ♂ ♂ ☾ Tides {9.6 8.6 | *a* |
| 18 | M. | Television for U.S. 1930 ☿ Gr. Hel. Lat. S. {9.6 8.3 | *real* |
| 19 | Tu. | Women first Tides {9.7 8.1 | *blizzard* |
| 20 | W. | Admitted to bar, 1879 ☾ rides low Tides {9.8 8.2 | *right* |
| 21 | Th. | Auld Deer worst of year ♂ ☿ ☉ Sup. {10.0 8.5 | *up* |
| 22 | Fr. | Washington's Birthday ♀ in ♉ ♂ ♀ ☾ {10.4 9.1 | *to* |
| 23 | Sa. | [22nd ☾ in Peri.] Tides {10.9 9.7 | *your* |
| 24 | FE | Shrove S. Tides {11.2 10.3 | *gizzard.* |
| 25 | M. | St. Matthias ☉ Total Eclipse ♂ ☿ ☾ Tides {11.4 10.7 | |
| 26 | Tu. | Shrove Tu. ☾ on Eq. Mardi Gras Hol. La. {11.4 — | |
| 27 | W. | Ash W. Tides {10.9 11.1 | *Cloudy* |
| 28 | Th. | [26th Nevada ratified ♂ ♃ ☾ {10.8 10.5 | *and* |
| 29 | Fr. | Twenty second Amendment] Tides {10.6 9.8 | *rowdy.* |

"Now Andrew, Anthony, and William for Valentines Draw Prue, Kate, Jilian."

This is the month of good excuses. It's too cold, too wet, too snowy, too blowy to get outside or into your barns—except for chores. But your farm business doesn't have to be outside or in your barns or woodlot. There is a world of work, if you would at it, inside the house and barns. And so we say February is as good a month for farm business as any other.

How shall we advise you other than we have advised before? Look to what repairs you have to do and improvements within the house. Put up new pantry shelves, scrape and refinish the floors, and if you have had the time and the foresight to rig up a workshop in the basement, repair the screens and paint them, mend the rakes, sharpen the scythes and saws. Or go to your desk and work out in dollars and cents what your next farm year is coming to.

Your cows will relish the cold nip of winter if there is enough sunshine with it. Rain or shine, blizzard or cold, your horses should be out a bit each day. And if it is really warm for this time of year, let them have all the hay they want on the snow and stay out as long as they will—or as long as they eat the hay.

If you have orchards, you should now be at the pruning of them. But do not touch your Baldwin trees till the first of March. Their fruit is sturdy and tough but the trees themselves are as tender as a baby's skin.

1952] MARCH, THIRD MONTH.

## ASTRONOMICAL CALCULATIONS.

☉'s Declination.

| Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 7S. 25 | 7 | 5 06 | 13 | 2 45 | 19 | 0S. 23 | 25 | 1 59 |
| 2 | 7 02 | 8 | 4 43 | 14 | 2 22 | 20 | 0N. 01 | 26 | 2 23 |
| 3 | 6 39 | 9 | 4 19 | 15 | 1 58 | 21 | 0 24 | 27 | 2 46 |
| 4 | 6 16 | 10 | 3 56 | 16 | 1 34 | 22 | 0 48 | 28 | 3 09 |
| 5 | 5 53 | 11 | 3 32 | 17 | 1 10 | 23 | 1 12 | 29 | 3 33 |
| 6 | 5 30 | 12 | 3 09 | 18 | 0 47 | 24 | 1 35 | 30 | 3 56 |

☽ First Quarter, 3rd day, 8 h. 43 m., morning, E.

○ Full Moon, 11th day, 1 h. 14 m., evening, E.

☾ Last Quarter, 18th day, 9 h. 40 m., evening, E.

● New Moon, 25th day, 3 h. 12 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 103 THROUGH 107

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast m | Full Sea, Boston. Morn h. | Full Sea, Boston. Even h. | ☽ Sets. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 61 | 1 | Sa. | 6 19 | K | 5 35 | G | 11 16 | 3 | 2½ | 3 | — | — | 4P M 18 | TAU | 6 |
| 62 | 2 | S. | 6 18 | K | 5 36 | G | 11 18 | 4 | 3½ | 4 | 12A M 12 | O | 5 09 | G'M | 7 |
| 63 | 3 | M. | 6 16 | K | 5 37 | G | 11 21 | 4 | 4¼ | 4¾ | 1 17 | P | 6 02 | G'M | 8 |
| 64 | 4 | Tu. | 6 14 | J | 5 38 | H | 11 24 | 4 | 5¼ | 6 | 2 15 | Q | 6 54 | CNC | 9 |
| 65 | 5 | W. | 6 13 | J | 5 40 | H | 11 27 | 4 | 6¼ | 7 | 3 06 | Q | 7 45 | CNC | 10 |
| 66 | 6 | Th. | 6 11 | J | 5 41 | H | 11 30 | 4 | 7¼ | 8 | 3 47 | P | 8 34 | CNC | 11 |
| 67 | 7 | Fr. | 6 09 | J | 5 42 | H | 11 33 | 5 | 8¼ | 8¾ | 4 21 | O | 9 20 | LEO | 12 |
| 68 | 8 | Sa. | 6 08 | J | 5 43 | H | 11 36 | 5 | 9 | 9½ | 4 49 | N | 10 05 | LEO | 13 |
| 69 | 9 | S. | 6 06 | J | 5 44 | H | 11 38 | 5 | 9¾ | 10¼ | 5 12 | L | 10 47 | VIR | 14 |
| 70 | 10 | M. | 6 04 | J | 5 46 | H | 11 41 | 5 | 10¼ | 10¾ | 5A M 33 | K | 11P M 28 | VIR | 15 |
| 71 | 11 | Tu. | 6 03 | J | 5 47 | H | 11 44 | 6 | 11 | 11¼ | rises | — | — | — | — |
| 72 | 12 | W. | 6 02 | J | 5 48 | H | 11 47 | 6 | 11½ | — | 7P M 02 | J | 12A M 10 | VIR | 16 |
| 73 | 13 | Th. | 5 59 | J | 5 49 | H | 11 50 | 6 | 0 | 0¼ | 8 09 | L | 12 52 | LIB | 17 |
| 74 | 14 | Fr. | 5 57 | J | 5 50 | H | 11 53 | 7 | 0½ | 0¾ | 9 19 | M | 1 36 | LIB | 18 |
| 75 | 15 | Sa. | 5 56 | J | 5 51 | I | 11 56 | 7 | 1¼ | 1½ | 10 32 | N | 2 24 | SCO | 19 |
| 76 | 16 | S. | 5 54 | I | 5 52 | I | 11 59 | 7 | 1¾ | 2¼ | 11P M 45 | O | 3 15 | SCO | 20 |
| 77 | 17 | M. | 5 52 | I | 5 54 | I | 12 01 | 7 | 2¾ | 3¼ | — | — | 4 11 | SGR | 21 |
| 78 | 18 | Tu. | 5 51 | I | 5 55 | I | 12 04 | 8 | 3½ | 4¼ | 12A M 55 | P | 5 10 | SGR | 22 |
| 79 | 19 | W. | 5 49 | I | 5 56 | I | 12 07 | 8 | 4½ | 5¼ | 1 58 | P | 6 12 | CAP | 23 |
| 80 | 20 | Th. | 5 47 | I | 5 57 | I | 12 10 | 8 | 5½ | 6¼ | 2 50 | P | 7 13 | CAP | 24 |
| 81 | 21 | Fr. | 5 45 | I | 5 58 | I | 12 13 | 9 | 6¾ | 7½ | 3 32 | O | 8 12 | AQR | 25 |
| 82 | 22 | Sa. | 5 43 | I | 5 59 | I | 12 16 | 9 | 7¾ | 8½ | 4 05 | M | 9 08 | AQR | 26 |
| 83 | 23 | S. | 5 42 | I | 6 01 | I | 12 19 | 9 | 8¾ | 9¼ | 4 33 | L | 10 00 | PSC | 27 |
| 84 | 24 | M. | 5 40 | I | 6 02 | I | 12 22 | 9 | 9¾ | 10¼ | 4A M 57 | J | 10 50 | PSC | 28 |
| 85 | 25 | Tu. | 5 38 | I | 6 03 | I | 12 24 | 10 | 10¾ | 11 | sets | — | 11A M 39 | ARI | 29 |
| 86 | 26 | W. | 5 37 | I | 6 04 | I | 12 27 | 10 | 11½ | 11¾ | 7P M 25 | L | 12P M 27 | ARI | 1 |
| 87 | 27 | Th. | 5 35 | G | 6 05 | J | 12 30 | 10 | — | 0¼ | 8 39 | M | 1 16 | TAU | 2 |
| 88 | 28 | Fr. | 5 33 | G | 6 06 | J | 12 33 | 11 | 0½ | 1 | 9 51 | O | 2 06 | TAU | 3 |
| 89 | 29 | Sa. | 5 31 | G | 6 07 | J | 12 36 | 11 | 1¼ | 1¾ | 11P M 00 | P | 2 58 | TAU | 4 |
| 90 | 30 | S. | 5 30 | G | 6 08 | J | 12 39 | 11 | 2 | 2½ | — | — | 3 52 | G'M | 5 |
| 91 | 31 | M. | 5 28 | G | 6 10 | J | 12 42 | 12 | 2¾ | 3½ | 12A M 03 | Q | 4P M 45 | G'M | 6 |

# MARCH hath 31 days. [1952

Whether as lion or lamb,
Whether you roar or bleat,
O stormy begetter,
You merit a dithyramb
For ushering in your sweet
And shining better.

| D. M. | D. W. | Aspects, Holidays, Heights of High Water, Weather, etc. | Farmer's Calendar. |
|---|---|---|---|
| 1 | Sa. | Carroll Swan died 1935 — St. David — Tides 10.2 / 9.1 — *Snows* | To quote the Old Farmer's Almanac of March 189 . "As the sun mounts higher toward the zenith, the farmer is reminded that the growing season is approaching, and that the earth will soon change its winter coat for its beautiful summer garb of ever-changing hues: and that the ground will soon be in condition to receive the seed for the reproduction of those crops which furnish food to both man and beast." Amen, say we—an I so shall it all be . . . we hope. |
| 2 | FE | 1st S. L. — Hol. Texas — Tides 9.7 / 8.4 — *in* | |
| 3 | M. | Iceberg Patrol starts out — Ember week — Tides 9.2 / 7.8 — *the* | |
| 4 | Tu. | This year's lowest tide — ☾ runs high 8.8 / 7.4 — *Mountains,* | |
| 5 | W. | The Ides be-in beware of Old Colind — ☌☾ 8.6 / 7.3 — *rains* | |
| 6 | Th. | First Aurora Borealis 1716 — ☾ in Apo. 8.5 / 7.5 — *below* | |
| 7 | Fr. | Burbank Day — Hol. Cal. — Tides 8.7 / 7.8 — *like* | |
| 8 | Sa. | Boonville, N.Y. Fiasco, 1794 — ☿ in ♌ 8.9 / 8.2 — *upside* | |
| 9 | FE | 2nd S. L. — Tides 9.1 / 8.6 — *down* | |
| 10 | M. | Maple sap runs about now. — 9.4 / 9.0 — *fountains.* | |
| 11 | Tu. | PURIM — ☾ on Eq. — Tides 9.5 / 9.8 | |
| 12 | W. | St. Gregory — ☿ in Peri — Tides 9.6 / — — *No* | |
| 13 | Th. | Uranus Disc. 1781 — ☌♄☾ — Tides 9.6 / 9.5 — *cheer,* | |
| 14 | Fr. | 1st Town Mtg. Fan. Hall 1743 — ☌♆☾ — Tides 9.8 / 9.4 — *not* | |
| 15 | Sa. | Jackson Day — Hol. Tenn. — Tides 10.0 / 9.2 — *clear.* | |
| 16 | FE | 3rd S. L. — ☌☌☾ — Tides 10.0 / 8.9 | |
| 17 | M. | St. Patrick — Tides 10.0 / 8.6 — *Here's* | |
| 18 | Tu. | ☆ Stat in R.A — ☿ Gr. El. E. — ☾ rides low 9.8 / 8.8 | |
| 19 | W. | St. Joseph's Day—Swallows arrive San Juan Capistrano — 9.7 / 8.2 — *a* | |
| 20 | Th. | Spring Begins 11:14 A M. — ☉ enters ♈ — 9.7 / 8.4 — *good* | |
| 21 | Fr. | Pocahontas died 1617 — Tides 9.9 / 8.8 — *bet,* | |
| 22 | Sa. | ☿ Gr. Hel. Lat. N. — ☾ in Peri. — 10.2 / 9.4 — *Spring's* | |
| 23 | FE | 4th S. L. — ☌♀☾ — 10.6 / 10.1 — *not* | |
| 24 | M. | ☌ Stat. in R A. — ☾ on Eq. — Tides 10.8 / 10.6 — *here* | |
| 25 | Tu. | Annunc. Lady Day — Hol. M.D. — 11.0 / 10.9 — *yet.* | |
| 26 | W. | ☿ Stat in RA. — ☌☿☾ — 10.8 / 11.1 — *Fair* | |
| 27 | Th. | ☌ ☊ ☾ — ♀ in Aph. — Tides — / 10.5 — *and* | |
| 28 | Fr. | "Old Abe," Civil war eagle, died 1881 — Tides 11.0 / 10.0 — *mild,* | |
| 29 | Sa. | Tides 10.6 / 9.4 — *soon becomes* | |
| 30 | FE | Passion S. — □☉⊙ — 10.2 / 8.7 | |
| 31 | M. | Berlin cold war 1948 — ☾ runs high 9.7 / 8.1 — *wild.* | Unfortunately we cannot today approach the bursting world of spring with the same smug sense of well-being and satisfaction. We know that what we plant may grow as well as the seed planted in the spring of 1898, and probably a lot better. And there will be for us the same satisfaction in our growing crops. But beyond that we don't know. If we grow potatoes, apples, cotton, just for example, what is our assurance? We may have subsidy on these—from a paternal government—or we may not have subsidy. Whatever we grow, subsidy or not, will be grown with a sense of insecurity. We farmers, subsidized or not, have the feeling that we are part of a juggling act, and we wonder when the act is going to end—or just scatter. |

Our advice for March, as ever: spread your manure, prune your fruit trees, pay your taxes, slaughter your pigs, and get ready to prepare your ground "to receive the seed."

## ASTRONOMICAL CALCULATIONS.

| ☉'s Declination. | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 4N.43 | 7 | 7 00 | 13 | 9 12 | 19 | 11 19 | 25 | 13 20 |
| | 2 | 5 06 | 8 | 7 22 | 14 | 9 34 | 20 | 11 40 | 26 | 13 39 |
| | 3 | 5 29 | 9 | 7 44 | 15 | 9 55 | 21 | 12 00 | 27 | 13 58 |
| | 4 | 5 32 | 10 | 8 06 | 16 | 10 17 | 22 | 12 21 | 28 | 14 17 |
| | 5 | 6 14 | 11 | 8 29 | 17 | 10 38 | 23 | 12 41 | 29 | 14 36 |
| | 6 | 6 38 | 12 | 8 50 | 18 | 10 59 | 24 | 13 01 | 30 | 14 54 |

☽ First Quarter, 2nd day, 3 h. 48 m., morning, W.
○ Full Moon, 10th day, 3 h. 53 m., morning, W.
☾ Last Quarter, 17th day, 4 h. 07 m., morning, E.
● New Moon, 24th day, 2 h. 27 m., morning, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 103 THROUGH 107

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea, Boston. Morn h. | Full Sea, Boston. Even h. | ☽ Sets. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 92 | 1 | Tu. | 5 26 | H | 6 11 | J | 12 45 | 12 | 3¾ | 4¼ | 12$_{M}^{A}$58 | Q | 5$_{M}^{P}$37 | CNC | 7 |
| 93 | 2 | W. | 5 24 | H | 6 12 | J | 12 47 | 12 | 4½ | 5¼ | 1 43 | P | 6 27 | CNC | 8 |
| 94 | 3 | Th. | 5 23 | H | 6 13 | J | 12 50 | 12 | 5½ | 6¼ | 2 20 | O | 7 15 | LEO | 9 |
| 95 | 4 | Fr. | 5 21 | H | 6 14 | J | 12 53 | 13 | 6½ | 7¼ | 2 50 | N | 8 00 | LEO | 10 |
| 96 | 5 | Sa. | 5 19 | H | 6 15 | J | 12 56 | 13 | 7½ | 8 | 3 15 | M | 8 42 | LEO | 11 |
| 97 | 6 | S. | 5 18 | H | 6 16 | J | 12 59 | 13 | 8¼ | 8¾ | 3 37 | L | 9 24 | VIR | 12 |
| 98 | 7 | M. | 5 16 | H | 6 17 | K | 13 02 | 14 | 9 | 9½ | 3 56 | J | 10 06 | VIR | 13 |
| 99 | 8 | Tu. | 5 14 | G | 6 19 | K | 13 04 | 14 | 9¾ | 10 | 4 15 | I | 10 48 | LIB | 14 |
| 100 | 9 | W. | 5 13 | G | 6 20 | K | 13 07 | 14 | 10½ | 10¾ | 4$_{M}^{A}$37 | H | 11$_{M}^{P}$32 | LIB | 15 |
| 101 | 10 | Th. | 5 11 | G | 6 21 | K | 13 10 | 14 | 11¼ | 11¼ | rises | — | -- | — | — |
| 102 | 11 | Fr. | 5 09 | G | 6 22 | K | 13 13 | 15 | 11¾ | — | 8$_{M}^{P}$19 | N | 12$_{M}^{A}$19 | SCO | 16 |
| 103 | 12 | Sa. | 5 08 | G | 6 23 | K | 13 15 | 15 | 0 | 0½ | 9 33 | O | 1 10 | SCO | 17 |
| 104 | 13 | S. | 5 06 | G | 6 24 | K | 13 18 | 15 | 0¾ | 1¼ | 10 46 | P | 2 05 | SCO | 18 |
| 105 | 14 | M. | 5 04 | G | 6 25 | K | 13 21 | 16 | 1½ | 2 | 11$_{M}^{P}$52 | P | 3 04 | SGR | 19 |
| 106 | 15 | Tu. | 5 03 | G | 6 26 | K | 13 24 | 16 | 2¼ | 3 | — | — | 4 06 | SGR | 21 |
| 107 | 16 | W. | 5 01 | G | 6 28 | K | 13 26 | 16 | 3¼ | 4 | 12$_{M}^{A}$47 | P | 5 08 | CAP | 22 |
| 108 | 17 | Th. | 5 00 | G | 6 29 | K | 13 29 | 16 | 4¼ | 5 | 1 31 | O | 6 07 | CAP | 23 |
| 109 | 18 | Fr. | 4 58 | G | 6 30 | K | 13 32 | 16 | 5¼ | 6 | 2 06 | N | 7 02 | AQR | 24 |
| 110 | 19 | Sa. | 4 56 | G | 6 31 | L | 13 35 | 17 | 6½ | 7¼ | 2 35 | L | 7 54 | AQR | 25 |
| 111 | 20 | S. | 4 55 | F | 6 32 | L | 13 37 | 17 | 7½ | 8 | 2 59 | K | 8 43 | PSC | 26 |
| 112 | 21 | M. | 4 53 | F | 6 33 | L | 13 40 | 17 | 8½ | 9 | 3 22 | I | 9 31 | PSC | 27 |
| 113 | 22 | Tu. | 4 52 | F | 6 34 | L | 13 43 | 17 | 9½ | 9¾ | 3 44 | H | 10 18 | ARI | 28 |
| 114 | 23 | W. | 4 50 | F | 6 35 | L | 13 45 | 17 | 10¼ | 10½ | 4$_{M}^{A}$07 | F | 11 06 | ARI | 29 |
| 115 | 24 | Th. | 4 49 | F | 6 37 | L | 13 48 | 18 | 11 | 11¼ | sets | — | 11$_{M}^{A}$55 | TAU | 0 |
| 116 | 25 | Fr. | 4 47 | F | 6 38 | L | 13 51 | 18 | 11¾ | — | 8$_{M}^{P}$41 | O | 12$_{M}^{P}$47 | TAU | 1 |
| 117 | 26 | Sa. | 4 46 | F | 6 39 | L | 13 53 | 18 | 0 | 0½ | 9 47 | P | 1 40 | G'M | 2 |
| 118 | 27 | S. | 4 44 | F | 6 40 | L | 13 56 | 18 | 0¾ | 1¼ | 10 46 | Q | 2 34 | G'M | 4 |
| 119 | 28 | M. | 4 43 | F | 6 41 | L | 13 58 | 18 | 1½ | 2 | 11$_{M}^{P}$36 | P | 3 27 | CNC | 5 |
| 120 | 29 | Tu. | 4 42 | F | 6 42 | L | 14 01 | 18 | 2¼ | 3 | — | — | 4 19 | CNC | 6 |
| 121 | 30 | W. | 4 40 | F | 6 43 | L | 14 03 | 19 | 3 | 3¾ | 12$_{M}^{A}$17 | P | 5$_{M}^{P}$08 | CNC | 7 |

# APRIL hath 30 days. [1952

The wind is south by east
— But not yet south enough
For the imagined feast
Of love, my absent love.

I wait for more of south
— With nothing easterly —
When wind will be her mouth
On mine, or well might be.

| D.M. | D.W. | Aspects, Holidays, Heights of High Water, Weather, Etc. | Farmer's Calendar. |
|---|---|---|---|
| 1 | Tu. | All Fool's Day ☌♄☉ ☌☉☾ {9.1 7.7} | *Cold* |
| 2 | W. | Jesus Christ crucified—33 A.D. Tides {8.7 7.5} | *winds* |
| 3 | Th. | Harvard LLD degree to Washington 1776 ☾ in Apo. {8.4 7.5} | *from* |
| 4 | Fr. | Great Seven Grass Sorrows Tides {8.3 7.7} | *the* |
| 5 | Sa. | Fire danger now. ☌☿☉ Inf. {8.4 8.1} | *East,* |
| 6 | FE | Palm S. Tides {8.7 8.5} | *bad* |
| 7 | M. | Cain born, Abel slain. Tides {8.9 9.0} | *for* |
| 8 | Tu. | [10th LaLune] Rousse ☾ on Eq. {9.2 9.4} | *man* |
| 9 | W. | March into Egypt ☌♄☾ Tides {9.8 9.8} | *and* |
| 10 | Th. | First day Passover ☌♆☉ ☌♆☾ {9.4 10.1} | *beast.* |
| 11 | Fr. | Good Fri. MacArthur sacked '51 Tides {9.4 —} | |
| 12 | Sa. | Halifax Day Hol. N.C. ☌☌☾ Tides {10.4 9.3} | *Cold* |
| 13 | FE | Easter Day Tides {10.5 9.1} | *rain* |
| 14 | M. | Pan Am. Day ☾rides low Hol. N.C. {10.4 8.9} | *raises* |
| 15 | Tu. | Titanic sank 1912 ☿in ♉ Tides {10.3 8.6} | *cain.* |
| 16 | W. | Ave. date last killing frost ☌☿♀ Tides {10.0 8.5} | |
| 17 | Th. | ☌☊☉ ☿in Stat. R.A. Tides {9.8 8.5} | *Now* |
| 18 | Fr. | Vandenberg died 1951 ♀ Gr. Hel. Lat. S. ☾ in Peri {9.7 8.8} | |
| 19 | Sa. | Patriots' D. Hol. Me., Mass. {9.7 9.3} | *come* |
| 20 | FE | Low S. Tides {9.9 9.8} | *the mild* |
| 21 | M. | Fast Day Hol. N.H. ☾ on Eq. Tides {10.1 10.3} | *warm* |
| 22 | Tu. | Arbor Day ☌♀☾ ☌☿☾ Hol. Neb. {10.2 10.7} | *showers* |
| 23 | W. | St. George ☌☊☾ Tides {10.3 11.0} | *which* |
| 24 | Th. | [22nd The Quail saved the Israelites] {10.1 11.0} | *bring* |
| 25 | Fr. | St. Mark ☿ in Aph. Tides {9.8 —} | *out* |
| 26 | Sa. | Confed. Mem. Day Hol. Fla. Ga. Miss. {10.9 9.4} | *the* |
| 27 | FE | 2nd a. E. D.S.T. begins {10.5 9.0} | *pretty* |
| 28 | M. | Mars was Conceived ☾ runs high Fast Day Hol. N.H. {10.1 8.5} | |
| 29 | Tu. | "My Soul is God's My Life My Country's." ☌☉☾ Tides {9.6 8.2} | *May* |
| 30 | W. | | *flowers.* {9.1 7.9} |

"April with fools, and May with bastards blest"
Churchill

The chains of winter are shaken off at last and Nature goes to its business of breeding, borning, growing. That the swallows shall return at the same time to the same place year after year to begin their nesting, that the dens of the foxes and rabbits and woodchucks have been widened, cleaned, and made snug for the litters already there—these are wonderful and orderly procedures that the farmer has little time or patience to consider.

But the farmer's way and the way of birds and all wildlife about him follow each the pattern of spring. With this difference. It is the farmer's **knowledge** to plan and plant his fields, to grow and fatten his flocks, to sell and make subsistence and cash for the future for more breeding and growing, while it is the **instinct** of the birds and the beasts to multiply their own according to their natural calendar—as demanding and as exact as the calendar on the farmer's kitchen wall.

When the farmer takes his feet out of the oven along the latter part of March, he comes by what energy he may from a sense of urgency. His fields are hungry for his plow—hungry for the sowing. There is for him a duty and a clarion call of crops he must make.

Yet, in truth, he is but a proprietor of spring—fulfilling at best the duties of a rich uncle or a wet nurse. Let him look from the broken blue shells of eggs beneath his apple tree to the nest of living birds above. Where is his pride then?

## ASTRONOMICAL CALCULATIONS.

| ☉'s Declination. | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 15N.12 | 7 | 16 56 | 13 | 18 30 | 19 | 19 52 | 25 | 21 02 |
| | 2 | 15 31 | 8 | 17 12 | 14 | 18 44 | 20 | 20 04 | 26 | 21 12 |
| | 3 | 15 48 | 9 | 17 28 | 15 | 18 58 | 21 | 20 16 | 27 | 21 22 |
| | 4 | 16 06 | 10 | 17 44 | 16 | 19 12 | 22 | 20 28 | 28 | 21 32 |
| | 5 | 16 23 | 11 | 18 00 | 17 | 19 26 | 23 | 20 40 | 29 | 21 41 |
| | 6 | 16 39 | 12 | 18 15 | 18 | 19 39 | 24 | 20 51 | 30 | 21 50 |

☽ First Quarter, 1st day, 10 h. 58 m., evening, W.
○ Full Moon, 9th day, 3 h. 16 m., evening, E.
☾ Last Quarter, 16th day, 9 h. 39 m., morning, W.
● New Moon, 23rd day, 2 h. 28 m., evening, W.
☽ First Quarter, 31st day, 4 h. 46 m., evening, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 103 THROUGH 107

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea, Boston. Morn h. | Full Sea, Boston. Even h. | ☽ Sets. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 122 | 1 | Th. | 4 39 | F | 6 44 | L | 14 06 | 19 | 4 | $4\frac{3}{4}$ | $12^{A}_{M}49$ | N | $5^{P}_{M}53$ | LEO | 8 |
| 123 | 2 | Fr. | 4 38 | F | 6 46 | M | 14 08 | 19 | $4\frac{3}{4}$ | $5\frac{1}{2}$ | 1 16 | M | 6 37 | LEO | 9 |
| 124 | 3 | Sa. | 4 36 | E | 6 47 | M | 14 10 | 19 | $5\frac{3}{4}$ | $6\frac{1}{2}$ | 1 39 | L | 7 19 | VIR | 10 |
| 125 | 4 | ☉ | 4 35 | E | 6 48 | M | 14 13 | 19 | $6\frac{3}{4}$ | $7\frac{1}{4}$ | 1 59 | K | 8 00 | VIR | 11 |
| 126 | 5 | M. | 4 34 | E | 6 49 | M | 14 15 | 19 | $7\frac{3}{4}$ | 8 | 2 19 | J | 8 41 | VIR | 12 |
| 127 | 6 | Tu. | 4 32 | E | 6 50 | M | 14 18 | 19 | $8\frac{1}{2}$ | $8\frac{3}{4}$ | 2 38 | H | 9 24 | LIB | 13 |
| 128 | 7 | W. | 4 31 | E | 6 51 | M | 14 20 | 19 | $9\frac{1}{4}$ | $9\frac{1}{2}$ | 2 59 | G | 10 10 | LIB | 14 |
| 129 | 8 | Th. | 4 30 | E | 6 52 | M | 14 22 | 19 | 10 | $10\frac{1}{4}$ | $3^{A}_{M}22$ | E | 11 00 | SCO | 15 |
| 130 | 9 | Fr. | 4 29 | E | 6 53 | M | 14 24 | 19 | $10\frac{3}{4}$ | $10\frac{3}{4}$ | rises | — | $11^{P}_{M}55$ | SCO | 16 |
| 131 | 10 | Sa. | 4 28 | E | 6 54 | M | 14 27 | 19 | $11\frac{1}{2}$ | $11\frac{1}{2}$ | $8^{P}_{M}29$ | P | — | — | — |
| 132 | 11 | ☉ | 4 26 | E | 6 55 | M | 14 29 | 19 | — | $0\frac{1}{4}$ | 9 41 | P | $12^{A}_{M}54$ | SGR | 17 |
| 133 | 12 | M. | 4 25 | E | 6 56 | M | 14 31 | 19 | $0\frac{1}{4}$ | 1 | 10 41 | P | 1 57 | SGR | 18 |
| 134 | 13 | Tu. | 4 24 | E | 6 57 | M | 14 33 | 19 | $1\frac{1}{4}$ | $1\frac{3}{4}$ | $11^{P}_{M}30$ | O | 3 00 | CAP | 19 |
| 135 | 14 | W. | 4 23 | E | 6 59 | M | 14 35 | 19 | 2 | $2\frac{3}{4}$ | — | — | 4 01 | CAP | 20 |
| 136 | 15 | Th. | 4 22 | E | 7 00 | M | 14 37 | 19 | 3 | $3\frac{3}{4}$ | $12^{A}_{M}08$ | N | 4 58 | AQR | 21 |
| 137 | 16 | Fr. | 4 21 | D | 7 01 | N | 14 40 | 19 | 4 | $4\frac{3}{4}$ | 12 38 | M | 5 51 | AQR | 22 |
| 138 | 17 | Sa. | 4 20 | D | 7 02 | N | 14 41 | 19 | 5 | $5\frac{3}{4}$ | 1 04 | K | 6 41 | PSC | 23 |
| 139 | 18 | ☉ | 4 19 | D | 7 03 | N | 14 43 | 19 | $6\frac{1}{4}$ | $6\frac{3}{4}$ | 1 26 | J | 7 28 | PSC | 24 |
| 140 | 19 | M. | 4 18 | D | 7 04 | N | 14 45 | 19 | $7\frac{1}{4}$ | $7\frac{3}{4}$ | 1 48 | H | 8 14 | ARI | 25 |
| 141 | 20 | Tu. | 4 17 | D | 7 05 | N | 14 47 | 19 | $8\frac{1}{4}$ | $8\frac{1}{2}$ | 2 10 | G | 9 00 | ARI | 26 |
| 142 | 21 | W. | 4 17 | D | 7 06 | N | 14 49 | 19 | $9\frac{1}{4}$ | $9\frac{1}{2}$ | 2 35 | E | 9 48 | TAU | 27 |
| 143 | 22 | Th. | 4 16 | D | 7 07 | N | 14 51 | 19 | 10 | $10\frac{1}{4}$ | $3^{A}_{M}03$ | D | 10 38 | TAU | 28 |
| 144 | 23 | Fr. | 4 15 | D | 7 07 | N | 14 52 | 19 | $10\frac{3}{4}$ | 11 | sets | — | $11^{A}_{M}30$ | G'M | 29 |
| 145 | 24 | Sa. | 4 15 | D | 7 08 | N | 14 54 | 19 | $11\frac{1}{2}$ | $11\frac{3}{4}$ | $8^{P}_{M}35$ | P | $12^{P}_{M}23$ | G'M | 1 |
| 146 | 25 | ☉ | 4 14 | D | 7 09 | N | 14 55 | 19 | — | $0\frac{1}{4}$ | 9 28 | P | 1 18 | G'M | 2 |
| 147 | 26 | M. | 4 13 | D | 7 10 | N | 14 57 | 19 | $0\frac{1}{4}$ | 1 | 10 12 | P | 2 10 | CNC | 3 |
| 148 | 27 | Tu. | 4 13 | D | 7 11 | N | 14 58 | 19 | 1 | $1\frac{3}{4}$ | 10 48 | O | 3 00 | CNC | 4 |
| 149 | 28 | W. | 4 12 | D | 7 12 | N | 15 00 | 19 | $1\frac{3}{4}$ | $2\frac{1}{2}$ | 11 17 | N | 3 47 | LEO | 5 |
| 150 | 29 | Th. | 4 12 | D | 7 13 | N | 15 01 | 18 | $2\frac{1}{2}$ | $3\frac{1}{4}$ | $11^{P}_{M}41$ | L | 4 32 | LEO | 6 |
| 151 | 30 | Fr. | 4 11 | D | 7 14 | N | 15 02 | 18 | $3\frac{1}{4}$ | 4 | — | — | 5 14 | LEO | 7 |
| 152 | 31 | Sa. | 4 11 | D | 7 14 | N | 15 04 | 18 | $4\frac{1}{4}$ | $4\frac{3}{4}$ | $12^{A}_{M}02$ | K | $5^{P}_{M}54$ | VIR | 8 |

# MAY hath 31 days. [1952

The flower's fortune is her sudden brightness,
Coined in the dark, and squandered in the sun
With such a prodigal, unthinking lightness
As gives no hint how hardly it was won.

Come fall, the stalk will stand most indiscreetly
Stripped and denuded, not worth thinking of,—
But knowng she had won our hearts, completely,
The day our eyes first looked on her with love.

| D. M. | D. W. | Aspects, Holidays, Heights of High Water, Weather, etc. | |
|---|---|---|---|
| 1 | Th. | Sl. Philip & James ☾ in Apo. {7.7 7.8 | *Fine* |
| 2 | Fr. | "Love Knows No Evil" Cal El {8.4 7.9 | *and* |
| 3 | Sa. | The cross was invented Kentucky Derby ☿ Gr El. W {8.3 8.1 | |
| 4 | FE | 3rd af. E. R. I. Ind. Day {8.3 8.4 | *clear.* |
| 5 | M. | Sherkshire Gale long overdue. ♂ ♀ ♌ ☾ on Eq. {8.5 8.9 | |
| 6 | Tu. | Thoreau died 1862 ♂ ♄ ☾ {8.7 9.3 | *Windy is* |
| 7 | W. | Germany surr. 1945 ♂ ♆ ☾ {8.9 9.8 | *right,* |
| 8 | Th. | ☌ near perf ⊕ ♂ ♂ ☾ {9.1 10.3 | *go sail* |
| 9 | Fr. | Congress thanks Dewey, 1898 {9.2 10.6 | *your kite.* |
| 10 | Sa. | Mem. Day. N.C. & S.C. [11th Mother's Day] {9.3 10.8 | |
| 11 | FE | 4th S. a. E. The Three Chilly {— 9.3 | *Moist* |
| 12 | M. | Rides Saints {10.9 | |
| 13 | Tu. | These ☾ low Nights in ☾ Peri. Pankratus Liberatus & Servatius {10 8 9.1 | *warm days,* |
| 14 | W. | are lighted Tides {10.6 9.0 | *the* |
| 15 | Th. | by the Fire flies and Glow Worms ☿ Gr. Hel. Lat. S. {10.3 9.0 | *old* |
| 16 | Fr. | Latest Record (1882) killing frost ♂ ☿ ♃ {9 9 9.0 | *man* |
| 17 | Sa. | Armed Forces Day Tides {9.7 9.3 | *says.* |
| 18 | FE | Rog. S. American Day Tides {9.5 9.6 | |
| 19 | M. | [18th ☌ in ♓ ☾ on Eq.] Minor {9.5 10.0 | *So-* |
| 20 | Tu | Yellow snow Meck. Day N.C. Rogation {9 5 10 3 | *get* |
| 21 | W. | Penn. 1879. ♂ ♌ ☾ Days {9 5 10.6 | *out* |
| 22 | Th. | Ascension D. ♂ ☿ ☾ ♀ ☾ {9.4 10.7 | *your* |
| 23 | Fr. | The "Italia" flew over Tides {9.3 10.7 | *seeds* |
| 24 | Sa. | North Pole in 1928. Tides {9.1 10 6 | *and* |
| 25 | FE | S. af. Asc. ☾ runs high Minor Rogation {— 8.9 | |
| 26 | M. | Civil War ends 1865 ♂ ♁ ☾ {10 3 8 7 | *hoes, for* |
| 27 | Tu. | Dunkerque, 1940 Tides {10 0 8 5 | *now* |
| 28 | W. | "Empress of Ireland" Tides {9.7 8.3 | *the* |
| 29 | Th. | sank 1914, 1024 died. ☾ in Apo. Tides {9.3 8.2 | *stuff* |
| 30 | Fr. | Memorial Day Shevuoth {8.9 8.2 | *really* |
| 31 | Sa. | Johnstown Flood, 1889. Tides {8.6 8 3 | *grows.* |

## Farmer's Calendar.

Each year we farmers welcome newer and more deadly means of destroying the pests that assail us. The companies that provide us with the materials for doing so are quick to tell us (and we have the considered recommendations from our Extension Service, County Agents, and other Agricultural Agencies) what we should use.

While it is true that any literate person knows what the word poison means—and, presumably, all illiterate persons rightly interpret the skull and crossbones on poisons—and true that no recommendations from any of our agricultural services have come, so far as we know, without explicit warnings about the handlings of such poisons—still the fact remains that these poisons are frequently misused, and will probably continue to be misused.

Haste, confusion sometimes, the frequent need for applications of these poisons at night time or after terribly long hours of handling them, till the handler is "done in"—or the last-minute need to call on inexperienced help—under such circumstances human endurance and caution may not surely and safely guard against these poisons.

Masks, goggles, rubber gloves, etc.—precautions. Lead, mercury, organic phosphorus, etc.—poisons.

Our $64.00 question. Can't we find poisons (if we have to have them) that will do the job on pests and not poison humans?

## ASTRONOMICAL CALCULATIONS.

☉'s Declination.

| Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22N.07 | 7 | 22 48 | 13 | 23 14 | 19 | 23 26 | 25 | 23 23 | | |
| 2 | 22 15 | 8 | 22 53 | 14 | 23 17 | 20 | 23 27 | 26 | 23 21 | | |
| 3 | 22 22 | 9 | 22 58 | 15 | 23 20 | 21 | 23 27 | 27 | 23 19 | | |
| 4 | 22 29 | 10 | 23 03 | 16 | 23 22 | 22 | 23 26 | 28 | 23 16 | | |
| 5 | 22 36 | 11 | 23 07 | 17 | 23 24 | 23 | 23 26 | 29 | 23 13 | | |
| 6 | 22 42 | 12 | 23 11 | 18 | 23 25 | 24 | 23 24 | 30 | 23 09 | | |

○ Full Moon, 8th day, 12 h. 07 m., morning, W.
☾ Last Quarter, 14th day, 3 h. 28 m., evening, W.
● New Moon, 22nd day, 3 h. 45 m., morning, E.
☽ First Quarter, 30th day, 8 h. 11 m., morning, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 103 THROUGH 107

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea, Boston. Morn h. | Full Sea, Boston. Even h. | ☽ Sets. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 153 | 1 | ♋ | 4 09 | D | 7 15 | N | 15 06 | 18 | 5 | 5¾ | 12AM22 | J | 6PM35 | VIR | 9 |
| 154 | 2 | M. | 4 09 | C | 7 16 | O | 15 07 | 18 | 6 | 6½ | 12 40 | I | 7 16 | LIB | 10 |
| 155 | 3 | Tu. | 4 08 | C | 7 17 | O | 15 08 | 18 | 7 | 7¼ | 1 00 | G | 8 00 | LIB | 11 |
| 156 | 4 | W. | 4 08 | C | 7 17 | O | 15 09 | 18 | 7¾ | 8 | 1 22 | F | 8 47 | SCO | 12 |
| 157 | 5 | Th. | 4 08 | C | 7 18 | O | 15 10 | 17 | 8½ | 9 | 1 48 | E | 9 40 | SCO | 13 |
| 158 | 6 | Fr. | 4 07 | C | 7 19 | O | 15 11 | 17 | 9½ | 9¾ | 2 20 | D | 10 37 | SGR | 14 |
| 159 | 7 | Sa. | 4 07 | C | 7 19 | O | 15 12 | 17 | 10¼ | 10½ | 3AM02 | B | 11PM40 | SGR | 15 |
| 160 | 8 | ♌ | 4 07 | C | 7 20 | O | 15 13 | 17 | 11 | 11¼ | rises | — | — | — | — |
| 161 | 9 | M. | 4 06 | C | 7 21 | O | 15 14 | 17 | 11¾ | — | 9PM23 | O | 12AM45 | CAP | 16 |
| 162 | 10 | Tu. | 4 06 | C | 7 21 | O | 15 15 | 16 | 0 | 0¾ | 10 06 | N | 1 49 | CAP | 17 |
| 163 | 11 | W. | 4 06 | C | 7 22 | O | 15 15 | 16 | 1 | 1½ | 10 40 | M | 2 49 | AQR | 19 |
| 164 | 12 | Th. | 4 06 | C | 7 22 | O | 15 16 | 16 | 1¾ | 2½ | 11 07 | L | 3 45 | AQR | 20 |
| 165 | 13 | Fr. | 4 06 | C | 7 23 | O | 15 16 | 16 | 2¾ | 3½ | 11 31 | J | 4 37 | PSC | 21 |
| 166 | 14 | Sa. | 4 06 | C | 7 23 | O | 15 17 | 16 | 3¾ | 4½ | 11PM53 | I | 5 25 | PSC | 22 |
| 167 | 15 | ♌ | 4 06 | C | 7 23 | O | 15 17 | 15 | 4¾ | 5½ | — | — | 6 12 | ARI | 23 |
| 168 | 16 | M. | 4 06 | C | 7 24 | O | 15 18 | 15 | 5¾ | 6¼ | 12AM15 | G | 6 58 | ARI | 24 |
| 169 | 17 | Tu. | 4 06 | C | 7 24 | O | 15 18 | 15 | 7 | 7¼ | 12 39 | F | 7 45 | ARI | 25 |
| 170 | 18 | W. | 4 06 | C | 7 24 | O | 15 18 | 15 | 8 | 8¼ | 1 05 | D | 8 34 | TAU | 26 |
| 171 | 19 | Th. | 4 06 | C | 7 25 | O | 15 18 | 15 | 8¾ | 9 | 1 37 | C | 9 25 | TAU | 27 |
| 172 | 20 | Fr. | 4 06 | C | 7 25 | O | 15 18 | 14 | 9¾ | 10¾ | 2 14 | B | 10 17 | G'M | 28 |
| 173 | 21 | Sa. | 4 07 | C | 7 25 | O | 15 18 | 14 | 10½ | 10½ | 3AM00 | B | 11AM11 | G'M | 29 |
| 174 | 22 | ♌ | 4 07 | C | 7 25 | O | 15 18 | 14 | 11¼ | 11¼ | sets | — | 12PM04 | CNC | 0 |
| 175 | 23 | M. | 4 07 | C | 7 26 | O | 15 18 | 14 | 11¾ | — | 8PM47 | O | 12 54 | CNC | 1 |
| 176 | 24 | Tu. | 4 07 | C | 7 26 | O | 15 18 | 13 | 0 | 0½ | 9 18 | N | 1 42 | CNC | 2 |
| 177 | 25 | W. | 4 08 | C | 7 26 | O | 15 18 | 13 | 0¾ | 1¼ | 9 44 | M | 2 27 | LEO | 3 |
| 178 | 26 | Th. | 4 08 | C | 7 26 | O | 15 18 | 13 | 1¼ | 2 | 10 06 | L | 3 10 | LEO | 4 |
| 179 | 27 | Fr. | 4 08 | C | 7 26 | O | 15 17 | 13 | 2 | 2½ | 10 26 | J | 3 51 | VIR | 6 |
| 180 | 28 | Sa. | 4 09 | C | 7 26 | O | 15 17 | 13 | 2¾ | 3¼ | 10 44 | I | 4 31 | VIR | 7 |
| 181 | 29 | ♌ | 4 09 | C | 7 26 | O | 15 16 | 12 | 3½ | 4 | 11 03 | H | 5 11 | LIB | 8 |
| 182 | 30 | M. | 4 10 | C | 7 26 | O | 15 16 | 12 | 4¼ | 4¾ | 11PM23 | G | 5PM53 | LIB | 9 |

# JUNE hath 30 days. [1952

This blue bell that is morning has a tongue
For silence, that is high and round and blue,
Heard before sound, and after, and beyond.

To hear the tolling when the bell is rung,
Here is the two-fold thing you have to do:
Lock up the ear and put it under bond

Not to encroach upon the eye grown fond
Of more than seeing, seeing such as grew
Another sense for taking what is sung

By a round sea, and by a sky as round,
Where a blue bell is belling without sound.

| D. M. | D. W. | Aspects, Holidays, Heights of High Water, Weather, etc. | Farmer's Calendar. |
|---|---|---|---|
| 1 | FE | Wh. S. Pent. ☾ on Eq. {8.4 8.5 | Fine |
| 2 | M. | First Barnum tour 1835 Ember week {8.8 8.8 | and |
| 3 | Tu. | ♂ ☌ ☾ ♂ ☍ ☾ Hol. So. Tides {8.8 9.2 | fair |
| 4 | W. | ☿ in ♌ ♂ ☿ ♀ ♂ ☌ ☾ {8.4 9.6 | season |
| 5 | Th. | St. Boniface Tides {8.6 10.1 | for |
| 6 | Fr. | Invasion, 1944 Tides {8.8 10.6 | no |
| 7 | Sa. | [8th Underground and Invasion Moon] {9.1 11.0 | good |
| 8 | FE | Trinity S. ☾ rides low. {9.8 11.2 | reason. |
| 9 | M. | [8th ☿ in Peri. ♂ ☿ ☉ Sup.] {9.4 — | Rain |
| 10 | Tu. | ♂ Stat. in R.A. ☾ in Peri Tides {11.8 9.5 | and |
| 11 | W. | First N.H. Bank, 1792 ♄ Stat. in R.A. {11.2 9.6 | warmer |
| 12 | Th. | Corpus Christi Tides {10.9 9.6 | helps |
| 13 | Fr. | [14th ♀ in ♌ ☾ on Eq.] Tides {10.5 9.6 | the |
| 14 | Sa. | Flag Day Hol. Mo.-Pa. [15th Father's Day] {10.1 9.6 | |
| 15 | FE | 2nd S. a. ♃. St. Bernard {9.6 9.7 | farmer. |
| 16 | M. | Sacred Heart Tides {9.8 9.8 | Winds are |
| 17 | Tu. | Battle Bunkerhill Tides {9.0 9.9 | high, |
| 18 | W. | "Barnaby Bright, ♂ ♃ ☾ ☿ Gr. Hel. Lat. N. {8.8 10.1 | |
| 19 | Th. | now are the longest days Tides {8.7 10.2 | clouds in |
| 20 | Fr. | and shortest nights." ♂ ☿ ♉ Tides {8.7 10.3 | sky. |
| 21 | Sa. | SUMMER BEGINS 6:13 a.m. ☉ enters ♋ ☾ runs high. {8.6 10.3 | |
| 22 | FE | 2nd S. a. ♅. ♂ ♀ ☾ {8.6 10.3 | Now it |
| 23 | M. | ♂ ♉ ☾ ♂ ☿ ☾ Tides {8.7 — | turns |
| 24 | Tu. | John the Baptist born ♂ ♀ ☉ Sup. {10.1 8.7 | |
| 25 | W. | Gen. Custer & all his men slain by Indians 1876. ☾ in Apo {10.0 8.7 | cool and |
| 26 | Th. | Tides {9.7 8.7 | rain |
| 27 | Fr. | U.S. Forces ord. to Korea, 1950 Tides {9.4 8.7 | is |
| 28 | Sa. | "Marry This Day (29th) luck all the way." Tides {9.1 8.7 | the |
| 29 | FE | 3rd S. a. ♅. St. Peter ☾ on Eq. {8.8 8.8 | |
| 30 | M. | □ ♄ ☉ ♂ ♄ ☾ Tides {8.5 8.9 | rule. |

St. John's Fires Light, Honor Jeremiah's Foresight.

Mother's kitchen business really got into swing this month. And that business was, of course (besides the three square meals a day when the men folk got called in), the matter of preserving and canning. June was the month for wild strawberries, and if us kids were up and coming in our picking and hulling, there would be wild strawberry jam for the next twelve months. And if there was ever anything better than mother's wild strawberry jam mounded up and oozing over on a slice of home-made bread, we have never known it—unless it were her raspberry jam and "plum-rum" (to come later in the season) or the sweet cherries in their Mason jars, or the small fruits jam (strawberries, raspberries, cherries, currants), and rhubarb and strawberry for pies.

The basement seemed to take on a special and promising coolness when we walked in from the hot June fields—just to look at mother's growing battery of preserves.

Of course, all these were but the first perceptible swelling of the pregnant shelves. Later there would be such solid stuff as beans, peas, corn, chicken, chicken soup, plums swimming in their scarlet liquid, blueberries, golden jars of pears, a phalanx of mincemeat (made from venison), grape juice, and tawny "Christmas" squash waiting ing only hot crust and spices.

No one ever thought to tot up the hours mother spent on all these good things. Certainly not mother. They were her pride and loves.

## ASTRONOMICAL CALCULATIONS.

☉'s Declination.

| Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 23N.05 | 7 | 22 33 | 13 | 21 46 | 19 | 20 47 | 25 | 19 34 |
| 2 | 23 01 | 8 | 22 26 | 14 | 21 37 | 20 | 20 35 | 26 | 19 21 |
| 3 | 22 56 | 9 | 22 19 | 15 | 21 28 | 21 | 20 24 | 27 | 19 08 |
| 4 | 22 51 | 10 | 22 11 | 16 | 21 18 | 22 | 20 12 | 28 | 18 54 |
| 5 | 22 45 | 11 | 22 03 | 17 | 21 08 | 23 | 20 00 | 29 | 18 39 |
| 6 | 22 39 | 12 | 21 55 | 18 | 20 58 | 24 | 19 47 | 30 | 18 25 |

○ Full Moon, 7th day, 7 h. 33 m., morning, E.
☾ Last Quarter, 13th day, 10 h. 42 m., evening, W.
● New Moon, 21st day, 6 h. 30 m., evening, E.
☽ First Quarter, 29th day, 8 h. 51 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 103 THROUGH 107.

| Day of Year | Day of Month | Day of the Week. | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea, Boston. Morn h. | Full Sea, Boston. Even h. | ☽ Sets. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 183 | 1 | Tu. | 4 10 | C | 7 25 | O | 15 15 | 12 | 5¼ | 5¾ | 11PM47 | E | 6PM37 | LIB | 10 |
| 184 | 2 | W. | 4 11 | C | 7 25 | O | 15 14 | 12 | 6¼ | 6½ | — | — | 7 26 | SCO | 11 |
| 185 | 3 | Th. | 4 11 | C | 7 25 | O | 15 14 | 12 | 7 | 7½ | 12AM15 | D | 8 20 | SCO | 12 |
| 186 | 4 | Fr. | 4 12 | C | 7 25 | O | 15 13 | 11 | 8 | 8¼ | 12 51 | C | 9 20 | SGR | 13 |
| 187 | 5 | Sa. | 4 13 | C | 7 25 | O | 15 12 | 11 | 9 | 9¼ | 1 39 | B | 10 24 | SGR | 14 |
| 188 | 6 | S. | 4 13 | C | 7 24 | O | 15 11 | 11 | 10 | 10¼ | 2AM39 | B | 11PM29 | CAP | 15 |
| 189 | 7 | M. | 4 14 | C | 7 24 | O | 15 10 | 11 | 10¾ | 11 | rises | — | — | — | — |
| 190 | 8 | Tu. | 4 15 | C | 7 24 | O | 15 09 | 11 | 11½ | — | 8PM37 | N | 12AM33 | CAP | 16 |
| 191 | 9 | W. | 4 15 | C | 7 23 | O | 15 08 | 11 | 0 | 0½ | 9 01 | L | 1 33 | AQR | 17 |
| 192 | 10 | Th. | 4 16 | C | 7 23 | N | 15 07 | 11 | 0¾ | 1¼ | 9 34 | K | 2 28 | AQR | 18 |
| 193 | 11 | Fr. | 4 17 | D | 7 22 | N | 15 05 | 10 | 1¾ | 2¼ | 9 57 | I | 3 19 | PSC | 19 |
| 194 | 12 | Sa. | 4 18 | D | 7 22 | N | 15 04 | 10 | 2½ | 3 | 10 20 | H | 4 08 | PSC | 20 |
| 195 | 13 | S. | 4 18 | D | 7 21 | N | 15 03 | 10 | 3½ | 4 | 10 43 | F | 4 55 | ARI | 21 |
| 196 | 14 | M. | 4 19 | D | 7 21 | N | 15 01 | 10 | 4½ | 5 | 11 09 | E | 5 43 | ARI | 22 |
| 197 | 15 | Tu. | 4 20 | D | 7 20 | N | 15 00 | 10 | 5½ | 6 | 11PM38 | C | 6 31 | TAU | 23 |
| 198 | 16 | W. | 4 21 | D | 7 19 | N | 14 58 | 10 | 6½ | 7 | — | — | 7 22 | TAU | 24 |
| 199 | 17 | Th. | 4 22 | D | 7 19 | N | 14 57 | 10 | 7½ | 7¾ | 12AM14 | B | 8 13 | G'M | 25 |
| 200 | 18 | Fr. | 4 22 | D | 7 18 | N | 14 55 | 10 | 8½ | 8¾ | 12 57 | B | 9 06 | G'M | 26 |
| 201 | 19 | Sa. | 4 23 | D | 7 17 | N | 14 54 | 10 | 9½ | 9½ | 1 48 | A | 9 59 | CNC | 27 |
| 202 | 20 | S. | 4 24 | D | 7 16 | N | 14 52 | 10 | 10¼ | 10¼ | 2AM45 | B | 10 50 | CNC | 28 |
| 203 | 21 | M. | 4 25 | D | 7 15 | N | 14 50 | 9 | 10¾ | 11 | sets | — | 11AM39 | CNC | 29 |
| 204 | 22 | Tu. | 4 26 | D | 7 15 | N | 14 48 | 9 | 11½ | 11½ | 7PM48 | M | 12PM25 | LEO | 1 |
| 205 | 23 | W. | 4 27 | D | 7 14 | N | 14 46 | 9 | — | 0 | 8 11 | L | 1 08 | LEO | 2 |
| 206 | 24 | Th. | 4 28 | D | 7 13 | N | 14 45 | 9 | 0¼ | 0¾ | 8 31 | K | 1 50 | VIR | 3 |
| 207 | 25 | Fr. | 4 29 | D | 7 12 | N | 14 43 | 9 | 1 | 1¼ | 8 50 | J | 2 29 | VIR | 4 |
| 208 | 26 | Sa. | 4 30 | D | 7 11 | N | 14 41 | 9 | 1½ | 2 | 9 08 | H | 3 09 | VIR | 5 |
| 209 | 27 | S. | 4 31 | D | 7 10 | N | 14 39 | 9 | 2¼ | 2¾ | 9 28 | G | 3 50 | LIB | 6 |
| 210 | 28 | M. | 4 32 | E | 7 09 | M | 14 36 | 9 | 3 | 3¼ | 9 49 | F | 4 32 | LIB | 7 |
| 211 | 29 | Tu. | 4 33 | E | 7 08 | M | 14 35 | 9 | 3¾ | 4¼ | 10 14 | E | 5 18 | SCO | 8 |
| 212 | 30 | W. | 4 34 | E | 7 07 | M | 14 33 | 9 | 4½ | 5 | 10 46 | C | 6 08 | SCO | 9 |
| 213 | 31 | Th. | 4 35 | E | 7 05 | M | 14 31 | 9 | 5½ | 6 | 11PM27 | B | 7PM04 | SGR | 10 |

# JULY hath 31 days. [1952

Of old, men passed below,
And birds passed in the sky,
But hill and hill could show
No difference to the eye,—
Until the white house came
And settled and was seen
To give a color and name
To one hill suddenly green.

| D.M. | D.W. | Aspects, Holidays, Heights of High Water, Weather, etc. | Farmer's Calendar. |
|---|---|---|---|
| 1 | Tu. | The year is half gone. ☌♆☾ {8.3 9.2 *Good* | Nature never heard of agriculture till man invented it. But now man has an agricultural cult to rent all growing things to his special needs. He's got the whole business from pollen to fruit, seed to vegetable, just where he wants it (or thinks he has). Exactly as he has bred his animals from the wild state and made them dependent on his feed formulas, doctorings and cross breedings and whimsies—so has he bred his fruits and vegetables. |
| 2 | W. | ☌♂☾ ⊕ In Aph. Tides {8.2 9.5 *days* | |
| 3 | Th. | Spanish Fleet dest. 1898 ☌♀☉ Tides {8.2 9.9 *for* | |
| 4 | Fr. | Independence Day Tides {8.4 10.3 *haying,* | |
| 5 | Sa. | 5th S. a. ℙ. ☾ rides low. {8.7 10.8 *thunder-* | |
| 6 | FE | "Woodman-Spare That Tree." ☌☉☉ {9.1 11.2 *storms,* | |
| 7 | M. | St. Frances Cabrini {9.5 11.5 *and pray-* | |
| 8 | Tu. | Lincoln conspirators hung (7th) 1865 ☾ In Peri. {9.8 — *ing.* | |
| 9 | W. | D.S.M. auth. by Congress, 1918 Tides {11.6 10.1 *Heat,* | |
| 10 | Th. | 134 deg. Death Valley 19 3 Tides {11.5 10 2 *wind,* | |
| 11 | Fr. | Feast of the Apostles □♆☉☾ on Eq. {11.2 10.2 *and* | |
| 12 | Sa. | Julius Caesar born 100 B.C. ☿in♉ {10.7 10 2 *rain,* | |
| 13 | FE | 5th S. a. ☾. Hol. Tenn. {10.1 10.0 *but* | |
| 14 | M. | Bastile Day [15th Dog Days Begin] {9.4 9.9 *please* | |
| 15 | Tu. | St. Swith. ☿ Gr. El. E ☌♃☾ {8.9 9.7 *don't* | |
| 16 | W. | "Now the King Tides {8.4 9.7 *complain.* | |
| 17 | Th. | Drinks to Hamlet" 1606 Tides {8.2 9.7 *Cooler* | |
| 18 | Fr. | Storms delay ♀ in Peri ☾ runs high {8.1 9.7 *you'll see* | |
| 19 | Sa. | Korean truce talks Tides {8.2 9.8 *by one* | |
| 20 | FE | 7th S. a. ℙ. St. Marg. {8.8 9.9 *degree.* | |
| 21 | M. | [20th ☌♉☾] Tides {8.5 9.9 *In* | |
| 22 | Tu. | M. Magdalene ☌♀☾ ☿ In Aph. {8.7 10.0 *this* | |
| 23 | W. | ☌☿☾ ☾ In Apo Tides {— 8.8 *lull,* | |
| 24 | Th. | Pioneer Day Hol. Utah Tides {9.9 9.0 *cloudy* | |
| 25 | Fr. | St. Chris. St. James Tides {9.8 9.1 *and* | |
| 26 | Sa. | Br. Labor party wins elec. 1945 ☾ on Eq. {9.6 9.2 *dull.* | |
| 27 | FE | 9th S. a. ☾. ☌♄☾ Tides {9.3 9.2 | |
| 28 | M. | World War II began 1944 ☌♆☾ ☿ Stat. in R.A. {9.0 9.3 | |
| 29 | Tu. | The "Marseillais" written by Tides {8.6 9.3 *For shame,* | |
| 30 | W. | ☌♂☾ Tides {8.8 9.4 *more* | |
| 31 | Th. | Lisle, 1792 Tides {8.1 9.6 *rain.* | |

He has a fair world as long as he can control it. The pity of it is that his world of beef and blossom is too dependent on him, though there can be no doubt he is approaching perfection in his arrangement of it. Is it a pyramid of perfection?

We like for their sturdiness the things that won't die because they aren't tended. And we think of the strong wild apples in our forgotten pastures, the ageless lilacs by crumbling cellar holes, the blackberries, raspberries. Nobody tends them and they aren't subsidized, and nobody said we'll ever really need them—but we like to know they are still there.

1952] AUGUST, Eighth Month.

ASTRONOMICAL CALCULATIONS.

| ☉'s Declination. | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days | 0 / |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 17 N. 56 | 7 | 16 19 | 13 | 14 33 | 19 | 12 39 | 25 | 10 37 |
| | 2 | 17 40 | 8 | 16 02 | 14 | 14 14 | 20 | 12 20 | 26 | 10 16 |
| | 3 | 17 25 | 9 | 15 43 | 15 | 13 56 | 21 | 12 00 | 27 | 9 55 |
| | 4 | 17 08 | 10 | 15 27 | 16 | 13 37 | 22 | 11 40 | 28 | 9 34 |
| | 5 | 16 52 | 11 | 15 09 | 17 | 13 18 | 23 | 11 18 | 29 | 9 13 |
| | 6 | 16 36 | 12 | 14 51 | 18 | 12 58 | 24 | 10 59 | 30 | 8 51 |

○ Full Moon, 5th day, 2 h. 40 m., evening, E.
☾ Last Quarter, 12th day, 8 h. 27 m., morning, W.
● New Moon, 20th day, 10 h. 20 m., morning, E.
☽ First Quarter, 28th day, 7 h. 03 m., morning, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 103 THROUGH 107

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea, Boston. Morn h. | Full Sea, Boston. Even h. | ☽ Sets. h. m | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 214 | 1 | Fr. | 4 36 | E | 7 04 | M | 14 28 | 10 | 6½ | 7 | — | — | 8 P M 04 | SGR | 11 |
| 215 | 2 | Sa. | 4 37 | E | 7 03 | M | 14 26 | 10 | 7½ | 8 | 12 A M 20 | B | 9 08 | CAP | 12 |
| 216 | 3 | S. | 4 38 | E | 7 02 | M | 14 24 | 10 | 8½ | 9 | 1 27 | B | 10 12 | CAP | 13 |
| 217 | 4 | M. | 4 39 | E | 7 01 | M | 14 22 | 10 | 9½ | 9¾ | 2 A M 45 | C | 11 P M 14 | AQR | 14 |
| 218 | 5 | Tu. | 4 40 | E | 6 59 | M | 14 19 | 10 | 10½ | 10¾ | rises | — | — | — | — |
| 219 | 6 | W. | 4 41 | E | 6 58 | M | 14 17 | 10 | 11¼ | 11¾ | 7 P M 37 | K | 12 A M 12 | AQR | 15 |
| 220 | 7 | Th. | 4 42 | E | 6 57 | M | 14 15 | 10 | — | 0¼ | 8 02 | J | 1 07 | PSC | 16 |
| 221 | 8 | Fr. | 4 43 | E | 6 56 | M | 14 12 | 10 | 0½ | 1 | 8 26 | H | 1 58 | PSC | 17 |
| 222 | 9 | Sa. | 4 44 | E | 6 54 | M | 14 10 | 10 | 1¼ | 1¾ | 8 49 | G | 2 48 | ARI | 18 |
| 223 | 10 | S. | 4 45 | E | 6 53 | L | 14 08 | 11 | 2¼ | 2¾ | 9 15 | E | 3 37 | ARI | 19 |
| 224 | 11 | M. | 4 46 | F | 6 52 | L | 14 05 | 11 | 3 | 3½ | 9 44 | D | 4 26 | TAU | 20 |
| 225 | 12 | Tu. | 4 47 | F | 6 50 | L | 14 03 | 11 | 4 | 4½ | 10 18 | C | 5 17 | TAU | 21 |
| 226 | 13 | W. | 4 48 | F | 6 49 | L | 14 00 | 11 | 5 | 5¼ | 10 59 | B | 6 09 | G'M | 22 |
| 227 | 14 | Th. | 4 50 | F | 6 47 | L | 14 58 | 11 | 6 | 6½ | 11 P M 47 | A | 7 02 | G'M | 24 |
| 228 | 15 | Fr. | 4 51 | F | 6 45 | L | 14 55 | 11 | 7¼ | 7½ | — | — | 7 55 | G'M | 25 |
| 229 | 16 | Sa. | 4 52 | F | 6 44 | L | 13 53 | 12 | 8¼ | 8¼ | 12 A M 43 | B | 8 47 | CNC | 26 |
| 230 | 17 | S. | 4 53 | F | 6 43 | L | 13 50 | 12 | 9 | 9¼ | 1 44 | B | 9 36 | CNC | 27 |
| 231 | 18 | M. | 4 54 | F | 6 41 | L | 13 48 | 12 | 9¾ | 10 | 2 47 | D | 10 23 | LEO | 28 |
| 232 | 19 | Tu. | 4 55 | F | 6 40 | L | 13 45 | 12 | 10½ | 10½ | 3 A M 50 | E | 11 07 | LEO | 29 |
| 233 | 20 | W. | 4 56 | F | 6 38 | L | 13 42 | 12 | 11 | 11¼ | sets | — | 11 A M 49 | LEO | 0 |
| 234 | 21 | Th. | 4 57 | F | 6 37 | L | 13 40 | 13 | 11¾ | 11¾ | 6 P M 57 | J | 12 P M 29 | VIR | 1 |
| 235 | 22 | Fr. | 4 58 | F | 6 35 | L | 13 37 | 13 | — | 0¼ | 7 15 | I | 1 09 | VIR | 2 |
| 236 | 23 | Sa. | 4 59 | F | 6 34 | K | 13 34 | 13 | 0½ | 0¾ | 7 34 | G | 1 49 | LIB | 3 |
| 237 | 24 | S. | 5 00 | G | 6 32 | K | 13 32 | 14 | 1 | 1¼ | 7 54 | F | 2 31 | LIB | 4 |
| 238 | 25 | M. | 5 01 | G | 6 30 | K | 13 29 | 14 | 1¾ | 2 | 8 18 | E | 3 15 | SCO | 5 |
| 239 | 26 | Tu. | 5 02 | G | 6 29 | K | 13 26 | 14 | 2½ | 2¾ | 8 46 | D | 4 03 | SCO | 6 |
| 240 | 27 | W. | 5 03 | G | 6 27 | K | 13 24 | 15 | 3¼ | 3½ | 9 22 | C | 4 55 | SCO | 7 |
| 241 | 28 | Th. | 5 04 | G | 6 25 | K | 13 21 | 15 | 4 | 4½ | 10 09 | B | 5 51 | SGR | 8 |
| 242 | 29 | Fr. | 5 05 | G | 6 24 | K | 13 18 | 15 | 5 | 5½ | 11 P M 08 | B | 6 52 | SGR | 9 |
| 243 | 30 | Sa. | 5 07 | G | 6 22 | K | 13 16 | 16 | 6 | 6½ | — | — | 7 54 | CAP | 10 |
| 244 | 31 | S. | 5 08 | G | 6 20 | K | 13 13 | 16 | 7¼ | 7½ | 12 A M 19 | B | 8 P M 55 | CAP | 11 |

# AUGUST hath 31 days. [1952

Here is a flower that asks
A slow season . . . a slow sun,
An acre away from tasks
To do and never done.
By the field where it basks
The road runs, the men run. . .

For once, lean on the rail,
Idle, and lost, and sunning
Yourself in the high and hale
Slow sun — till your sloth and cunning
Shall win, as cannot fail,
A guerdon lost in running.

| D.M. | D.W. | Aspects, Holidays, Heights of High Water, Weather, etc. | |
|---|---|---|---|
| 1 | Fr. | Lammas Day. Hol. Col. Tides {8.1 9.9 | *Sultry* |
| 2 | Sa. | Pilgrims left Holland 1620 ☾ rides low {8.3 10.3 | *and* |
| 3 | FE | 9th S.af.P. Tides {8.8 10.8 | *hot, just* |
| 4 | M. | Sodom & Gomorrah overthrown. ☌☿♀ {9.3 11.3 | *as* |
| 5 | Tu. | ☾ Partial ☾ Eclipse in Peri. Tides {9.9 11.6 | *we* |
| 6 | W. | Transfig. Year's high tide {10.4 11.7 | *thought.* |
| 7 | Th. | Name of Jesus Tides {— 10.7 | *Rise* |
| 8 | Fr. | Thermopylae 480 B.C. ♀ Gr. Lat. Hel. N. ☾ on Eq. {11.6 10.8 | |
| 9 | Sa. | Nagaski atom bomb 1945 Watch for the Tears {11.2 10.8 | *and* |
| 10 | FE | 9th S.a.T. Fiery {10.6 10.6 | *shine,* |
| 11 | M. | Hay fever begins ☿ Gr. Lat. Hel. S. of St. Law- rence {9.9 10.2 | *swim-* |
| 12 | Tu. | □☽☉ ☌☽☾ {9.1 9.8 | *ming's* |
| 13 | W. | [12th ☌☿☉ Inf.] ☌ ♀☉ {8.5 9.5 | *fine.* |
| 14 | Th. | Japan surrendered 1945 Hol. R.I. Tides {8.0 9.2 | |
| 15 | Fr. | Assumption ☾ runs high Tides {7.8 9.2 | *Cools* |
| 16 | Sa. | Battle of Bennington, Vt. □☌☉ ☌☋☾ {7.8 9.2 | *off* |
| 17 | FE | 11th S.a.P. Tides {8.0 9.4 | *a* |
| 18 | M. | Virginia Dare born 1567 Tides {8.3 9.5 | *bit,* |
| 19 | Tu. | ☌☿☾ ☾ in Apo. Tides {8.6 9.7 | *that's* |
| 20 | W. | ☉ Annular Eclipse Tides {8.9 9.7 | *tat* |
| 21 | Th. | King's Chapel Reop'd 1754 ☿ Stat. in R. A. Tides {9.1 9.8 | *for* |
| 22 | Fr. | ☌♀☾ ☾ on Eq. Tides {— 9.3 | *tit.* |
| 23 | Sa. | Dog Days end Tides {9.7 9.5 | |
| 24 | FE | 11th S. a. T. Tides {9.5 9.6 | *Rain.* |
| 25 | M. | [24th ☌♄☾ ☌♆☾] Tides {9.3 9.7 | |
| 26 | Tu. | Slavery abolished Tides {8.9 9.7 | *All* |
| 27 | W. | from British ☌☌☾ Tides {8.6 9.6 | *sailors* |
| 28 | Th. | colonies 1833 Tides {8.3 9.6 | *ashore* |
| 29 | Fr. | John the Baptist beheaded ☿ Gr. El. W. ☾ rides low. {8.1 9.7 | |
| 30 | Sa. | St.Flac. ☿ in ♌ Hol. La. {8.2 9.9 | *big storms* |
| 31 | FE | This day borrowed from February. Tides {8.5 10.3 | *roar.* |

## Farmer's Calendar.

How did the early settlers in the wilderness keep track of time? They used a litter calendar! Simplicity itself!

Settlers would naturally have some animals, domestic or captured wild life. O.K. They segregated the males from the females until a predetermined day in the spring, April 1st if they could find out when it was, or the full moon, say, when they mated them and sent them all off to a flying start. Now they were set! On the 11th day thereafter the 'possums would pop, the white mice the 22nd, the rabbits the 30th, the ferret the 40th, the dog the 63rd, the hog the 120th, the sheep the 150th, the horse the 346th, and the walrus the 365th, and there they were! And Ma and the cow at 280, and the elephant at 600 gave them additional checks. It was really a cinch. Suppose they wanted to give a neighbor a note, they merely said: "1 Rabbit from date I promise to pay—". But, you may ask, how many, possums ago did they plant the spinach? Elementary: they went to the 'possum pen and counted the animals, divided by 18, and there was the answer. They could invite their friends for a Walrus Eve Party. Once they could find out when January 1st came they could start fresh and be in step with a regular calendar.

If you have been in the same quandary, this will get you out.—By E. F. Hinkle.

P.S. Also see page 93 of this edition.

1952] SEPTEMBER, NINTH MONTH.

## ASTRONOMICAL CALCULATIONS.

☉'s Declination.

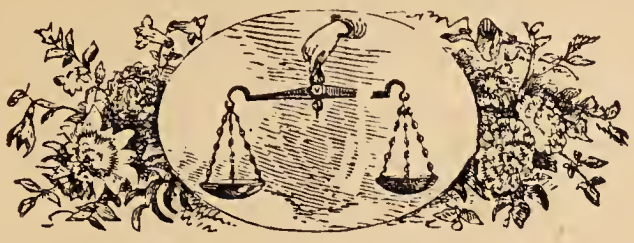
| Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8N.08 | 7 | 5 55 | 13 | 3 38 | 19 | 1 19 | 25 | 1 01 |
| 2 | 7 46 | 8 | 5 32 | 14 | 3 15 | 20 | 0 56 | 26 | 1 25 |
| 3 | 7 24 | 9 | 5 10 | 15 | 2 52 | 21 | 0 32 | 27 | 1 48 |
| 4 | 7 12 | 10 | 4 47 | 16 | 2 29 | 22 | 0N.09 | 28 | 2 11 |
| 5 | 6 40 | 11 | 4 24 | 17 | 2 06 | 23 | 0s. 14 | 29 | 2 35 |
| 6 | 6 17 | 12 | 4 01 | 18 | 1 42 | 24 | 0 38 | 30 | 2 58 |

○ Full Moon, 3rd day, 10 h. 19 m., evening, E.
☾ Last Quarter, 10th day, 9 h. 36 m., evening, E.
● New Moon, 19th day, 2 h. 22 m., morning, E.
☽ First Quarter, 26th day, 3 h. 31 m., evening, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 103 THROUGH 107

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea. Boston. Morn h. | Full Sea. Boston. Even h. | ☽ Sets. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 245 | 1 | M. | 5 09 | G | 6 19 | K | 13 10 | 16 | 8¼ | 8½ | 1AM38 | D | 9PM54 | AQR | 12 |
| 246 | 2 | Tu. | 5 10 | G | 6 17 | K | 13 07 | 16 | 9¼ | 9½ | 3AM00 | E | 10 50 | AQR | 14 |
| 247 | 3 | W. | 5 11 | G | 6 15 | K | 13 04 | 17 | 10 | 10½ | rises | – | 11PM43 | PSC | 15 |
| 248 | 4 | Th. | 5 12 | G | 6 14 | K | 13 02 | 17 | 11 | 11¼ | 6PM22 | I | — | — | — |
| 249 | 5 | Fr. | 5 13 | H | 6 12 | J | 12 59 | 17 | 11¾ | — | 6 45 | G | 12AM34 | PSC | 16 |
| 250 | 6 | Sa. | 5 14 | H | 6 10 | J | 12 56 | 18 | 0¼ | 0½ | 7 11 | F | 1 25 | ARI | 17 |
| 251 | 7 | S. | 5 15 | H | 6 09 | J | 12 53 | 18 | 1 | 1¼ | 7 39 | E | 2 16 | ARI | 18 |
| 252 | 8 | M. | 5 16 | H | 6 07 | J | 12 51 | 18 | 1¾ | 2¼ | 8 12 | C | 3 07 | TAU | 19 |
| 253 | 9 | Tu. | 5 17 | H | 6 05 | J | 12 48 | 19 | 2¾ | 3 | 8 51 | B | 4 01 | TAU | 20 |
| 254 | 10 | W. | 5 18 | H | 6 03 | J | 12 45 | 19 | 3½ | 4 | 9 38 | B | 4 55 | G'M | 21 |
| 255 | 11 | Th. | 5 19 | H | 6 02 | J | 12 42 | 19 | 4½ | 4¾ | 10 32 | B | 5 49 | G'M | 22 |
| 256 | 12 | Fr. | 5 20 | H | 6 00 | J | 12 39 | 20 | 5½ | 6 | 11PM31 | B | 6 41 | CNC | 23 |
| 257 | 13 | Sa. | 5 21 | H | 5 58 | J | 12 37 | 20 | 6¾ | 7 | — | – | 7 32 | CNC | 24 |
| 258 | 14 | S. | 5 22 | H | 5 56 | J | 12 34 | 20 | 7½ | 7¾ | 12AM34 | C | 8 20 | CNC | 25 |
| 259 | 15 | M. | 5 24 | H | 5 54 | J | 12 31 | 21 | 8½ | 8¾ | 1 38 | D | 9 05 | LEO | 26 |
| 260 | 16 | Tu. | 5 25 | H | 5 53 | J | 12 28 | 21 | 9¼ | 9½ | 2 41 | F | 9 48 | LEO | 27 |
| 261 | 17 | W. | 5 26 | I | 5 51 | I | 12 25 | 21 | 10 | 10¼ | 3 43 | G | 10 28 | VIR | 28 |
| 262 | 18 | Th. | 5 27 | I | 5 49 | I | 12 22 | 22 | 10½ | 10¾ | 4AM45 | H | 11 09 | VIR | 29 |
| 263 | 19 | Fr. | 5 28 | I | 5 47 | I | 12 20 | 22 | 11 | 11¼ | sets | – | 11AM49 | LIB | 0 |
| 264 | 20 | Sa. | 5 29 | I | 5 46 | I | 12 17 | 22 | 11¾ | — | 6PM00 | G | 12PM30 | LIB | 1 |
| 265 | 21 | S. | 5 30 | I | 5 44 | I | 12 14 | 23 | 0 | 0¼ | 6 23 | E | 1 14 | LIB | 2 |
| 266 | 22 | M. | 5 31 | I | 5 42 | I | 12 11 | 23 | 0½ | 0¾ | 6 50 | D | 2 00 | SCO | 3 |
| 267 | 23 | Tu. | 5 32 | I | 5 40 | I | 12 08 | 23 | 1¼ | 1½ | 7 24 | C | 2 51 | SCO | 5 |
| 268 | 24 | W. | 5 33 | I | 5 39 | I | 12 05 | 24 | 2 | 2¼ | 8 06 | B | 3 46 | SGR | 6 |
| 269 | 25 | Th. | 5 34 | I | 5 37 | I | 12 03 | 24 | 2¾ | 3 | 8 59 | B | 4 44 | SGR | 7 |
| 270 | 26 | Fr. | 5 35 | I | 5 35 | I | 12 00 | 24 | 3¾ | 4 | 10 04 | B | 5 43 | CAP | 8 |
| 271 | 27 | Sa. | 5 36 | I | 5 33 | I | 11 57 | 25 | 4¾ | 5 | 11PM18 | C | 6 43 | CAP | 9 |
| 272 | 28 | S. | 5 37 | J | 5 31 | H | 11 54 | 25 | 5¾ | 6¼ | — | – | 7 41 | AQR | 10 |
| 273 | 29 | M. | 5 39 | J | 5 30 | H | 11 51 | 25 | 6¾ | 7¼ | 12AM36 | D | 8 36 | AQR | 11 |
| 274 | 30 | Tu. | 5 40 | J | 5 28 | H | 11 48 | 26 | 8 | 8¼ | 1AM56 | F | 9PM29 | PSC | 12 |

## SEPTEMBER hath 30 days. [1952



Over the valley, now, the single bell,
Distant and sweet, is putting time away.

Man without time is different. . . In the spell
Of this ambiguous hour, not night, not day,
He leans in doorways, easy and remote,
Listening and not listening to the sound,
The hard hand lax and limp in the loose coat,
The unseeing eye roving the seeded ground.
And there is nothing time can say or do:
He would not know that he is spoken to.

| D.M. | D.W. | Aspects, Holidays, Heights of High Water, Weather, etc. | |
|---|---|---|---|
| 1 | M. | Labor Day Tides {9.0 10.7} | *Windy* |
| 2 | Tu. | New style adopted 1752 Tides {9.7 11.2} | *mostly* |
| 3 | W. | Harvest Moon ☾ in Peri Tides {10.8 11.5} | *clear* |
| 4 | Th. | Moses, patriarch ☿ in Peri ☾ on Eq. {10 9 11.5} | *and* |
| 5 | Fr. | Acadians exiled 1755 Tides {11.2 —} | *bright,* |
| 6 | Sa. | Mich. Fires 1881 Make N.E. Yellow Day Tides {11 4 11.8} | |
| 7 | FE | 14th S.a.P. Tides {10.9 11.1} | *all* |
| 8 | M. | Virgin Mary born ♂☌☾ Elec. Maine {10.3 10.7} | *day* |
| 9 | Tu. | ☌ Stat. Elec. Hol. in R.A. N.H. Calif. {9.5 10.2} | *and* |
| 10 | W. | "Don't Give Up the Ship" 1813 Tides {8.8 9.6} | *all* |
| 11 | Th. | Motorcycle record ☾ runs high Tides {8.2 9 2} | *night.* |
| 12 | Fr. | 150.885 mph set by Defender's Day Hol. Md. {7.8 8.8} | |
| 13 | Sa. | R. R. Free Utah 1948 ♂☉☾ {7.6 8.7} | *Hurricanes* |
| 14 | FE | 14th S.a.T. ☿ Gr. Hel. Lat. N. {7.8 8.} | *aborn-* |
| 15 | M. | ♂☿♄ ☾ in Apo. Ember Week Tides {8.1 9.0} | *ing* |
| 16 | Tu. | N.E. Hurricane 17-21, 1938 H.l. Oala. Tides {8.4 9.2} | *in* |
| 17 | W. | Constitution Day Tides {8.8 9.4} | *the* |
| 18 | Th. | ♂☿☾ ☾ on Eq. Tides {9.1 9.5} | *South.* |
| 19 | Fr. | [21st ♂Ψ☾ ♂☿☾] Tides {9.5 9.5} | |
| 20 | Sa. | Rosh Hashanah ♂☿Ψ ♂♄☾ {9.7 —} | |
| 21 | FE | 16th S.a.P. St. Mathew Tides {9.5 9.9} | |
| 22 | M. | Fall Begins 9.49 P.M. ☉en.♎ {9.3 10.0} | *Might* |
| 23 | Tu. | [22nd Arnold Treason laid bare 1780] {9.1 10.0} | *rain* |
| 24 | W. | John the Baptist was conceived ♂☿☉ Sup. {8.8 10.0} | *or* |
| 25 | Th. | This day equals this night ♂♂☾ {8.5 9.8} | *might* |
| 26 | Fr. | American Indian Day ☾ rides low. Tides {8.3 9.7} | *not* |
| 27 | Sa. | Charge of the Light Brigade 1854 (26th) Tides {8.2 9.7} | *but* |
| 28 | FE | 16th S.a.T. D.S.T. ends Tides {8.4 9 8} | *cools* |
| 29 | M. | Atonement St. Michael {8.8 10.1} | *off* |
| 30 | Tu. | Euripides born 480 B.C. Tides {9.4 10.0} | *a lot.* |

"Anger is the Weakness of the Understanding."

### Farmer's Calendar.

The time to think of marketing your crop is when you are growing it. The best farmer in the world may grow the best crops in the world—and then throw them over the wall to rot—for want of a market. No one is going to beat a path to your door unless he knows what you have to sell and how good it is.

It pays to advertise, whether you think your best market is door to door peddling, from store to store, to hotels and institutions, through a middleman, from your own roadside stand, by mail order, or in cooperative selling with your neighbor growers.

No question that the best advertising in the world is the personal [illegible] (and after that your consistent ability to deliver even quality produce, promptly delivered always). But no man or his representatives can reach all customers by personal contact. A good mailing list to which you send an attractively worded letter, specific as to price and kind and grades of your produce is just logic. If you have a roadside stand, what you have, of course, advertises itself, with a display as attractive as you can make it. Yet why not try ads in all the papers of all the local towns and why not "spots" two or three times a week on the nearest radio station? Then you will really get the public to beat a path to your door—and not just depend on hooking your customers off the road.

## ASTRONOMICAL CALCULATIONS.

☉'s Declination.

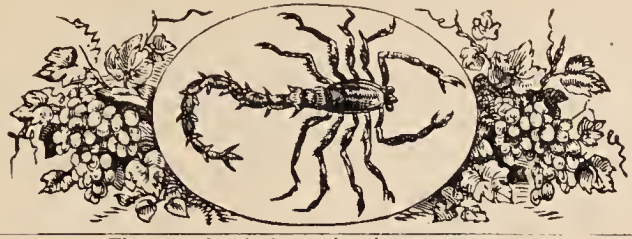
| Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 3s. 21 | 7 | 5 40 | 13 | 7 56 | 19 | 10 08 | 25 | 12 15 |
| 2 | 3 44 | 8 | 6 03 | 14 | 8 18 | 20 | 10 30 | 26 | 12 36 |
| 3 | 4 08 | 9 | 6 26 | 15 | 8 31 | 21 | 10 51 | 27 | 12 56 |
| 4 | 4 31 | 10 | 6 48 | 16 | 9 03 | 22 | 11 13 | 28 | 13 16 |
| 5 | 4 55 | 11 | 7 11 | 17 | 9 25 | 23 | 11 34 | 29 | 13 36 |
| 6 | 5 17 | 12 | 7 34 | 18 | 9 47 | 24 | 11 55 | 30 | 13 56 |

○ Full Moon, 3rd day, 7 h. 15 m., morning, E.
☾ Last Quarter, 10th day, 2 h. 33 m., evening, W.
● New Moon, 18th day, 5 h. 42 m., evening, W.
☽ First Quarter, 25th day, 11 h. 04 m., evening, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 103 THROUGH 107

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea, Boston. Morn h. | Full Sea, Boston. Even h. | ☽ Sets. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 275 | 1 | W. | 5 41 | J | 5 26 | H | 11 46 | 26 | 8¾ | 9¼ | 3$^{A}_{M}$15 | G | 10$^{P}_{M}$20 | PSC | 13 |
| 276 | 2 | Th. | 5 42 | J | 5 25 | H | 11 43 | 26 | 9¾ | 10¼ | 4$^{A}_{M}$33 | I | 11$^{P}_{M}$11 | ARI | 14 |
| 277 | 3 | Fr. | 5 43 | J | 5 23 | H | 11 40 | 27 | 10½ | 11 | rises | — | — | — | — |
| 278 | 4 | Sa. | 5 44 | J | 5 21 | H | 11 37 | 27 | 11¼ | 11¾ | 5$^{P}_{M}$37 | E | 12$^{A}_{M}$01 | ARI | 15 |
| 279 | 5 | S. | 5 45 | J | 5 19 | H | 11 34 | 27 | — | 0 | 6 08 | D | 12 53 | TAU | 16 |
| 280 | 6 | M. | 5 46 | J | 5 18 | H | 11 31 | 28 | 0½ | 1 | 6 45 | B | 1 47 | TAU | 17 |
| 281 | 7 | Tu. | 5 47 | J | 5 16 | H | 11 29 | 28 | 1½ | 1¾ | 7 30 | B | 2 44 | G'M | 18 |
| 282 | 8 | W. | 5 49 | J | 5 14 | H | 11 26 | 28 | 2¼ | 2½ | 8 22 | B | 3 38 | G'M | 19 |
| 283 | 9 | Th. | 5 50 | J | 5 13 | G | 11 23 | 28 | 3 | 3¼ | 9 21 | B | 4 33 | CNC | 20 |
| 284 | 10 | Fr. | 5 51 | K | 5 11 | G | 11 20 | 29 | 4 | 4¼ | 10 23 | C | 5 25 | CNC | 21 |
| 285 | 11 | Sa. | 5 52 | K | 5 09 | G | 11 17 | 29 | 5 | 5¼ | 11$^{P}_{M}$27 | D | 6 14 | CNC | 22 |
| 286 | 12 | S. | 5 53 | K | 5 08 | G | 11 15 | 29 | 6 | 6¼ | — | — | 7 01 | LEO | 23 |
| 287 | 13 | M. | 5 54 | K | 5 06 | G | 11 12 | 30 | 7 | 7¼ | 12$^{A}_{M}$30 | E | 7 44 | LEO | 24 |
| 288 | 14 | Tu. | 5 55 | K | 5 04 | G | 11 09 | 30 | 7¾ | 8 | 1 32 | G | 8 26 | VIR | 25 |
| 289 | 15 | W. | 5 57 | K | 5 03 | G | 11 06 | 30 | 8½ | 8¾ | 2 34 | H | 9 06 | VIR | 26 |
| 290 | 16 | Th. | 5 58 | K | 5 01 | G | 11 04 | 30 | 9¼ | 9½ | 3 36 | I | 9 46 | VIR | 27 |
| 291 | 17 | Fr. | 5 59 | K | 5 00 | G | 11 01 | 30 | 10 | 10¼ | 4$^{A}_{M}$39 | J | 10 27 | LIB | 28 |
| 292 | 18 | Sa. | 6 00 | K | 4 58 | G | 10 58 | 31 | 10½ | 11 | sets | — | 11 11 | LIB | 29 |
| 293 | 19 | S. | 6 01 | K | 4 57 | G | 10 55 | 31 | 11 | 11½ | 4$^{P}_{M}$54 | E | 11$^{A}_{M}$57 | SCO | 1 |
| 294 | 20 | M. | 6 02 | K | 4 55 | G | 10 53 | 31 | 11¾ | — | 5 24 | C | 12$^{P}_{M}$47 | SCO | 2 |
| 295 | 21 | Tu. | 6 04 | K | 4 54 | F | 10 50 | 31 | 0¼ | 0¼ | 6 06 | B | 1 41 | SGR | 3 |
| 296 | 22 | W. | 6 05 | L | 4 52 | F | 10 47 | 31 | 1 | 1 | 6 56 | B | 2 39 | SGR | 4 |
| 297 | 23 | Th. | 6 06 | L | 4 51 | F | 10 44 | 31 | 1¾ | 1¾ | 7 58 | B | 3 38 | CAP | 5 |
| 298 | 24 | Fr. | 6 07 | L | 4 49 | F | 10 42 | 32 | 2½ | 2¾ | 9 08 | C | 4 37 | CAP | 6 |
| 299 | 25 | Sa. | 6 09 | L | 4 48 | F | 10 39 | 32 | 3½ | 3¾ | 10 23 | D | 5 35 | CAP | 7 |
| 300 | 26 | S. | 6 10 | L | 4 46 | F | 10 36 | 32 | 4½ | 4¾ | 11$^{P}_{M}$40 | E | 6 30 | AQR | 8 |
| 301 | 27 | M. | 6 11 | L | 4 45 | F | 10 34 | 32 | 5½ | 5¾ | — | — | 7 21 | AQR | 9 |
| 302 | 28 | Tu. | 6 12 | L | 4 43 | F | 10 31 | 32 | 6½ | 7 | 12$^{A}_{M}$57 | G | 8 11 | PSC | 10 |
| 303 | 29 | W. | 6 13 | L | 4 42 | F | 10 29 | 32 | 7½ | 8 | 2 12 | H | 9 00 | PSC | 11 |
| 304 | 30 | Th. | 6 15 | L | 4 41 | F | 10 26 | 32 | 8½ | 9 | 3 27 | J | 9 49 | ARI | 12 |
| 305 | 31 | Fr. | 6 16 | L | 4 39 | F | 10 24 | 32 | 9¼ | 9¾ | 4$^{A}_{M}$43 | K | 10$^{P}_{M}$40 | ARI | 13 |

# OCTOBER hath 31 days. [1952



That was the ninth wave's going, as we know.
It made no sound, but what is surely gone
Is summer's self, and what is staying on

Is mostly, now, these single and bereft
And scattered flowers, separate and few,
Alone, apart, not knowing what to do . . .

Let us go in, we two, and there, together,
In the heart's summer we have made our own,
We'll pity all the separate and alone.

| D.M. | D.W. | Aspects, Holidays, Heights of High Water, Weather, etc. | |
|---|---|---|---|
| 1 | W. | Girls beware ☾ in Peri Tides {10.1 10.8 | *Not* |
| 2 | Th. | of the Red Ear. ☾ on Eq. Tides {10.7 11.0 | *muggy* |
| 3 | Fr. | Hunter's Moon ☿ in ♉ ☌♀♄ {11.2 11.0 | *nor* |
| 4 | Sa. | First Day Succoth Al. Smith D 1944 {11.4 10.8 | *buggy.* |
| 5 | **FE** | 18th S.a.P. Tides {— 11.4 | *Stormy* |
| 6 | M. | ☌♀♆ ☍☿☾ Mo. Day {10.8 11.1 | *days,* |
| 7 | Tu. | British Cannonade Bristol. R.I. 1777. Tides {9.8 10.6 | *full* |
| 8 | W. | Trees are blushing ☿ in ♉ ☾ runs high {9.1 10.1 | *of* |
| 9 | Th. | St. Denys Storm 1804 Tides {8.5 9.5 | *haze.* |
| 10 | Fr. | Ben J. West B. 1738 ☌♉☾ Hol. Okla. Tides {8.0 9.0 | |
| 11 | Sa. | ☌♄☉ □ ♉☉ [12th Columbus Day] {7.8 8.6 | |
| 12 | **FE** | 18th S.a.T. Simchath Torah {7.7 8.5 | *Days* |
| 13 | M. | ZR3-U.S.-Germany flight 1924 ☾ in Apo {7.9 8.5 | *are* |
| 14 | Tu. | Decl. of Rights 1774 ☌♆☉ {8.2 8.6 | *peppy* |
| 15 | W. | Gibbon's "Decline" conceived 1764 {8.6 8.8 | *watch your* |
| 16 | Th. | Kosciusko died 1817 ☾ on Eq. Tides {9.0 9.0 | *steppy* |
| 17 | Fr. | Del. & Chesapeake Canal OP. 1829 Tides {9.4 9.1 | *A* |
| 18 | Sa. | St. Luke ☌♄☾ ☿ in Aph. ☌♆☾ {9.7 9.2 | |
| 19 | **FE** | 20th S.a.P. Tides {10.0 9.2 | *little* |
| 20 | M. | Leyte Gulf 1944 ☌♉☾ {10.2 — | *summer* |
| 21 | Tu. | USF Constitution launched 1797 ☌♀☾ {9.1 10.3 | *and a* |
| 22 | W. | Univ. of Penn. FD. 1682 ☽ Gr. Hel. Lat. S. {9.0 10.3 | *little* |
| 23 | Th. | The Kremlin blown up 1812 ☾ rides low. {8.8 10.2 | *Fall both* |
| 24 | Fr. | ☌☽☾ ☉ Stat. in R.A. Tides {8.6 10.0 | *clear* |
| 25 | Sa. | Haiti Hurricane K. 2000-1935 Tides {8.5 9.8 | *the* |
| 26 | **FE** | 20th S.a.T. Christ The King {8.6 9.7 | *latter* |
| 27 | M. | Sir Walter lost his head 1618 Male Child {8.8 9.7 | *frosty* |
| 28 | Tu. | Simon and Jude Most likely {9 2 9.8 | *and* |
| 29 | W. | ☾ on Eq. ☾ in Peri. if conceived {9.8 10.0 | *that* |
| 30 | Th. | Old Time Ball Reading, Vt. 25–31st. {10.4 10.1 | *is* |
| 31 | Fr. | Halloween. Hol. Nev. Tides {10.8 10.8 | *all.* |

## Farmer's Calendar.

"Once in a while," Clara J. Hallett of Hyannis, Massachusetts tells us, "I like to roam around in some of the old cemeteries. They are about the only quiet, peaceful spots left to us now. When we realize that all these people lived day to day and from year to year, we get a different, broader view of what eternal life means.

"How strange, and amusing, and pathetic the old stones seem. Some express such faith in celestial bliss, others foreshadow eternal doom. Here are a few of the epitaphs I have saved from these visits: 'Hannah Green, Spinster—Died at the age of 92; God takes the good, too good, On earth to stay, And leaves the bad, too bad, To take away.' Added by a wag: 'And that's the cause of Hannah's long delay.'

"'Mary Ann lies here to rest, With her head on Abraham's breast; It's very nice for Mary Ann, But it's rather hard on Abraham.'

"'Under this stone a lump of clay, Lies Annabelle Young, Who on the 24th of May, Began to hold her tongue.'

"In one church yard, a Mr. Church buried four wives. In burying the fourth, he had to move the other three with the result their bones became hopelessly mixed. Consequently, the following was given as an inscription to the last one, Emily:

"'Stranger pause and drop a tear, For Emily Church lies buried here, Mixed in some perplexing manner, With Mary, Matilda, and probably Hannah.'"

## ASTRONOMICAL CALCULATIONS.

☉'s Declination.

| Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | ° ' | Days. | 0 / |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 14s. 34 | 7 | 16 25 | 13 | 18 05 | 19 | 19 34 | 25 | 20 50 |
| 2 | 14 53 | 8 | 16 42 | 14 | 18 21 | 20 | 19 48 | 26 | 21 02 |
| 3 | 15 12 | 9 | 16 59 | 15 | 18 36 | 21 | 20 02 | 27 | 21 13 |
| 4 | 15 31 | 10 | 17 16 | 16 | 18 51 | 22 | 20 14 | 28 | 21 23 |
| 5 | 15 49 | 11 | 17 33 | 17 | 19 06 | 23 | 20 26 | 29 | 21 33 |
| 6 | 16 07 | 12 | 17 49 | 18 | 19 20 | 24 | 20 39 | 30 | 21 43 |

○ Full Moon, 1st day, 6 h. 10 m., evening, E.

☾ Last Quarter, 9th day, 10 h. 43 m., morning, W.

● New Moon, 17th day, 7 h. 56 m., morning, E.

☽ First Quarter, 24th day, 6 h. 34 m., morning, E.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 103 THROUGH 107

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea. Boston. Morn h. | Even h. | ☽ Rises. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | ☽ oon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 306 | 1 | Sa. | 6 17 | L | 4 38 | F | 10 21 | 32 | 10¼ | 10¾ | rises | — | 11$_M^P$33 | TAU | 14 |
| 307 | 2 | S. | 6 18 | L | 4 37 | F | 10 19 | 32 | 11 | 11½ | 4$_M^P$39 | C | — | — | — |
| 308 | 3 | M. | 6 20 | M | 4 36 | E | 10 16 | 32 | 11¾ | — | 5 21 | B | 12$_M^A$28 | TAU | 15 |
| 309 | 4 | Tu. | 6 21 | M | 4 34 | E | 10 14 | 32 | 0¼ | 0½ | 6 10 | B | 1 24 | G'M | 16 |
| 310 | 5 | W. | 6 22 | M | 4 33 | E | 10 11 | 32 | 1 | 1¼ | 7 07 | B | 2 20 | G'M | 17 |
| 311 | 6 | Th. | 6 23 | M | 4 32 | E | 10 09 | 32 | 1¾ | 2 | 8 10 | B | 3 15 | CNC | 18 |
| 312 | 7 | Fr. | 6 25 | M | 4 31 | E | 10 05 | 32 | 2¾ | 2¾ | 9 14 | D | 4 05 | CNC | 19 |
| 313 | 8 | Sa. | 6 26 | M | 4 30 | E | 10 03 | 32 | 3½ | 3¾ | 10 17 | E | 4 54 | LEO | 20 |
| 314 | 9 | S. | 6 27 | M | 4 29 | E | 10 01 | 32 | 4½ | 4½ | 11$_M^P$30 | F | 5 39 | LEO | 21 |
| 315 | 10 | M. | 6 28 | M | 4 28 | E | 9 59 | 32 | 5¼ | 5½ | — | — | 6 21 | LEO | 23 |
| 316 | 11 | Tu. | 6 30 | M | 4 27 | E | 9 57 | 32 | 6¼ | 6½ | 12$_M^A$22 | G | 7 01 | VIR | 24 |
| 317 | 12 | W. | 6 31 | M | 4 26 | E | 9 55 | 32 | 7 | 7¼ | 1 23 | I | 7 41 | VIR | 25 |
| 318 | 13 | Th. | 6 32 | M | 4 25 | E | 9 53 | 31 | 7¾ | 8¼ | 2 25 | J | 8 22 | LIB | 26 |
| 319 | 14 | Fr. | 6 33 | M | 4 24 | E | 9 50 | 31 | 8½ | 9 | 3 29 | K | 9 04 | LIB | 27 |
| 320 | 15 | Sa. | 6 35 | M | 4 23 | E | 9 47 | 31 | 9¼ | 9¾ | 4 36 | L | 9 50 | LIB | 28 |
| 321 | 16 | S. | 6 36 | M | 4 22 | E | 9 46 | 31 | 10 | 10½ | 5$_M^A$45 | N | 10 39 | SCO | 29 |
| 322 | 17 | M. | 6 37 | N | 4 21 | D | 9 44 | 31 | 10½ | 11 | sets | — | 11$_M^A$32 | SCO | 0 |
| 323 | 18 | Tu. | 6 38 | N | 4 20 | D | 9 42 | 31 | 11¼ | 11¾ | 4$_M^P$50 | B | 12$_M^P$30 | SGR | 1 |
| 324 | 19 | W. | 6 40 | N | 4 20 | D | 9 40 | 30 | — | 0 | 5 49 | B | 1 30 | SGR | 2 |
| 325 | 20 | Th. | 6 41 | N | 4 19 | D | 9 38 | 30 | 0½ | 0¾ | 6 59 | C | 2 31 | CAP | 3 |
| 326 | 21 | Fr. | 6 42 | N | 4 18 | D | 9 36 | 30 | 1½ | 1½ | 8 14 | D | 3 30 | CAP | 4 |
| 327 | 22 | Sa. | 6 43 | N | 4 18 | D | 9 35 | 30 | 2¼ | 2$_2$ | 9 31 | E | 4 26 | AQR | 5 |
| 328 | 23 | S. | 6 44 | N | 4 17 | D | 9 33 | 29 | 3¼ | 3½ | 10$_M^P$47 | F | 5 18 | AQR | 6 |
| 329 | 24 | M. | 6 45 | N | 4 16 | D | 9 31 | 29 | 4¼ | 4½ | — | — | 6 08 | PSC | 7 |
| 330 | 25 | Tu. | 6 47 | N | 4 16 | D | 9 29 | 29 | 5¼ | 5½ | 12$_M^A$01 | H | 6 56 | PSC | 8 |
| 331 | 26 | W. | 6 48 | N | 4 15 | D | 9 28 | 28 | 6¼ | 6¾ | 1 15 | I | 7 43 | ARI | 9 |
| 332 | 27 | Th. | 6 49 | N | 4 15 | D | 9 26 | 28 | 7¼ | 7¾ | 2 28 | K | 8 32 | ARI | 11 |
| 333 | 28 | Fr. | 6 50 | N | 4 14 | D | 9 24 | 28 | 8 | 8¾ | 3 41 | L | 9 23 | TAU | 12 |
| 334 | 29 | Sa. | 6 51 | N | 4 14 | D | 9 23 | 27 | 9 | 9½ | 4 55 | N | 10 16 | TAU | 13 |
| 335 | 30 | S. | 6 52 | N | 4 13 | D | 9 21 | 27 | 9¾ | 10½ | 6$_M^A$08 | O | 11$_M^P$11 | G'M | 14 |

# NOVEMBER hath 30 days. [1952

The road stays here;
It only seems to go,
Over the hill, away.
This year . . . next year . . .
For longer than you know,
The road will stay.

Your tread, heavy and light,
And quick, and slow;
Your going forth by day,
Your climbing home by night,—
For these it came to know
Long since, the road will stay

| D. M. | D. W. | Aspects, Holidays, Heights of High Water, Weather, etc. | | | Farmer's Calendar. |
|---|---|---|---|---|---|
| 1 | Sa. | All Saints Day. | Hol. La. | 11.1 10.2 | Cold |
| 2 | FE | 22nd S.a.P. ☌☽☾ | | 11.2 10.0 | spell |
| 3 | M. | [1st Truman Assass. attempt fails 1950] | | 11.1 — | for |
| 4 | Tu. | Election Day Will Rogers Day | Hol. Okla. | 9.6 10.9 | sure |
| 5 | W. | Fawkes Day ☾ runs high | Tides | 9.2 10.4 | says |
| 6 | Th. | First Republican President 1860 | Tides | 8.8 9.9 | this |
| 7 | Fr. | ☌☾☾ ♀ in Aph. | ☿ Gr Hel. Lat S. | 8.4 9.4 | weather |
| 8 | Sa. | Bewick died 1828 ☌☽☉ | Tides | 8.1 8.9 | bureau. |
| 9 | FE | 22nd S.a.T. | ☿ Gr. El. E. | Tides | 8.0 8.6 |
| 10 | M. | Boston Fire 1872 | ☾ in Apo. | Tides | 8.0 8.3 Signs |
| 11 | Tu. | Armistice Day | Tides | 8.2 8.3 | of |
| 12 | W. | Phila. Jack O'Brien d. 1942 | ☾ on Eq. | 8.4 8.3 | snow, |
| 13 | Th. | Indian Summer begins | Tides | 8.8 8.4 | don't |
| 14 | Fr. | America reached Pacific 1805 | Tides | 9.2 8.5 | you |
| 15 | Sa. | ☌♄☾ ☌♆☾ | Tides | 9.6 8.6 | know. |
| 16 | FE | 24th S.a.P. | ☌ in Peri. | Tides | 9.9 8.8 |
| 17 | M. | U.S. Aurora Borealis seen 1835 | ☌♄♆ | | 10.2 8.8 |
| 18 | Tu. | Gen. Phil. Schuyler died 1804 | ☌☿☾ | | 10.5 8.9 As |
| 19 | W. | Sir Thomas Brown born and died | ☾ rides low. | — 10.6 | stormy |
| 20 | Th. | Happy Birthday! | ☿ Stat. in R.A. | ☌♀☾ | 8.9 10.6 as |
| 21 | Fr. | Mayflower Compact | Tides | 8.9 10.5 | can |
| 22 | Sa. | St. Cecilia | ☌☌☾ | Tides | 8.9 10.3 be |
| 23 | FE | 24th S.a.T. | ☾ in Peri. | Hol. Md. | 8.9 10.0 you |
| 24 | M. | Ohio won for U.S. 1758 | | Tides | 9.1 9.7 |
| 25 | Tu. | A bear killed C. Herrick in Vermont 1943 | ☾ on Eq. | Tides | 9.3 9.5 just |
| 26 | W. | ☿ in ♐ | | Tides | 9.6 9.4 |
| 27 | Th. | Thanksgiving | Portland lost '98 | | 10.0 9.4 wait |
| 28 | Fr. | Cocoanut Grove Fire 1942 | Tides | | 10.3 9.4 and |
| 29 | Sa. | ☌☽☾ ♀ | Gr. Hel. Lat. S. | Tides | 10.6 9.4 see. |
| 30 | FE | Advent S. St. And. | ☌☽☾ | | 10.8 9.3 |

"To Andrew all the Lovers and Lusty Wooers come."

The good New England farmer has always looked on his woodlot as a farm crop, the same as the sugar-bush, or corn, or potatoes. He "clean cuts" only if he needs to make another field—otherwise his cutting is always selective, taking down the mature trees or the weaker trees. Today his woodlot probably looks just about as it did in his grandfather's day.

But such farm woodlots, nurtured for cordwood or the cutting of an occasional "jag" of logs, make up only a tiny part of our woodlands—though a staunch one.

The story of the cutting of our great forests was, at its beginning, one of planless brigandage—total cutting of all trees, and a resultant wasteland open to fire and erosion. And this story includes millions of acres of the great Red Woods of the west coast, Douglas firs, the once seemingly inexhaustible forests of Michigan, the white pines of our Northeast and the pines of our South.

Today, however, the story of lumbering in America is an increasingly good one. For example, the far-flung western timber empire of the Weyerhaeser Co. practices methods of cutting and reforesting undreamed of a few decades ago. And this is largely true for the operations of all great lumber, paper and pulp companies elsewhere in the United States. The handwriting has been on the wall too long—and it is only sense to conserve what makes the dollar sign still shine.

## ASTRONOMICAL CALCULATIONS.

| ☉'s Declination. | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / |
|---|---|---|---|---|---|---|---|---|---|---|
| | 1 | 21s. 53 | 7 | 22 40 | 13 | 23 11 | 19 | 23 26 | 25 | 23 23 |
| | 2 | 22 02 | 8 | 22 46 | 14 | 23 15 | 20 | 23 26 | 26 | 23 21 |
| | 3 | 22 10 | 9 | 22 52 | 15 | 23 18 | 21 | 23 27 | 27 | 23 19 |
| | 4 | 22 18 | 10 | 22 57 | 16 | 23 20 | 22 | 23 27 | 28 | 23 16 |
| | 5 | 22 26 | 11 | 23 02 | 17 | 23 23 | 23 | 23 26 | 29 | 23 12 |
| | 6 | 22 33 | 12 | 23 07 | 18 | 23 24 | 24 | 23 25 | 30 | 23 09 |

○ Full Moon, 1st day, 7 h. 41 m., morning, E.
☾ Last Quarter, 9th day, 8 h. 22 m., morning, W.
● New Moon, 16th day, 9 h. 02 m., evening, W.
☽ First Quarter, 23rd day, 2 h. 51 m., evening, E.
○ Full Moon, 31st day, 12 h. 05 m., morning, W.

KEY LETTERS REFER TO CORRECTIONS TABLE, PAGES 103 THROUGH 107

| Day of Year | Day of Month | Day of the Week | ☉ Rises. h. m. | Key | ☉ Sets. h. m. | Key | Length of Days. h. m. | Sun Fast. m. | Full Sea. Boston. Morn h. | Full Sea. Boston. Even h. | ☽ Rises. h. m. | Key | ☽ Souths. h. m. | ☽'s Place | Moon's Age |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 336 | 1 | M. | 6 53 | N | 4 13 | D | 9 20 | 27 | 10½ | 11¼ | rises | – | — | — | |
| 337 | 2 | Tu. | 6 54 | N | 4 13 | D | 9 19 | 26 | 11¼ | — | 4P54 | B | 12A07 | G'M | 15 |
| 338 | 3 | W. | 6 55 | N | 4 13 | D | 9 18 | 26 | 0 | 0 | 5 55 | B | 1 03 | CNC | 16 |
| 339 | 4 | Th. | 6 56 | N | 4 13 | D | 9 16 | 25 | 0¾ | 0¾ | 6 59 | C | 1 56 | CNC | 17 |
| 340 | 5 | Fr. | 6 57 | N | 4 12 | D | 9 15 | 25 | 1½ | 1½ | 8 04 | D | 2 46 | CNC | 18 |
| 341 | 6 | Sa. | 6 58 | N | 4 12 | D | 9 14 | 25 | 2¼ | 2¼ | 9 07 | F | 3 33 | LEO | 19 |
| 342 | 7 | S. | 6 59 | O | 4 12 | C | 9 13 | 24 | 3 | 3 | 10 09 | G | 4 16 | LEO | 20 |
| 343 | 8 | M. | 7 00 | O | 4 12 | C | 9 12 | 24 | 3¾ | 4 | 11P10 | H | 4 57 | VIR | 21 |
| 344 | 9 | Tu. | 7 01 | O | 4 12 | C | 9 11 | 23 | 4½ | 4¾ | — | – | 5 36 | VIR | 22 |
| 345 | 10 | W. | 7 02 | O | 4 12 | C | 9 10 | 23 | 5¼ | 5¾ | 12A11 | I | 6 16 | VIR | 23 |
| 346 | 11 | Th. | 7 03 | O | 4 12 | C | 9 09 | 22 | 6¼ | 6½ | 1 13 | K | 6 57 | LIB | 24 |
| 347 | 12 | Fr. | 7 04 | O | 4 12 | C | 9 09 | 22 | 7 | 7½ | 2 17 | L | 7 40 | LIB | 25 |
| 348 | 13 | Sa. | 7 04 | O | 4 13 | C | 9 08 | 21 | 7¾ | 8¼ | 3 25 | M | 8 27 | SCO | 26 |
| 349 | 14 | S. | 7 05 | O | 4 13 | C | 9 08 | 21 | 8½ | 9¼ | 4 35 | N | 9 18 | SCO | 27 |
| 350 | 15 | M. | 7 06 | O | 4 13 | C | 9 07 | 21 | 9¼ | 10 | 5A47 | O | 10 15 | SGR | 28 |
| 351 | 16 | Tu. | 7 07 | O | 4 13 | C | 9 07 | 20 | 10 | 10¾ | sets | – | 11A15 | SGR | 29 |
| 352 | 17 | W. | 7 07 | O | 4 14 | C | 9 06 | 20 | 11 | 11½ | 4P41 | B | 12P18 | CAP | 1 |
| 353 | 18 | Th. | 7 08 | O | 4 14 | C | 9 06 | 19 | 11¾ | — | 5 57 | C | 1 19 | CAP | 2 |
| 354 | 19 | Fr. | 7 09 | O | 4 14 | C | 9 06 | 19 | 0¼ | 0½ | 7 17 | E | 2 18 | AQR | 3 |
| 355 | 20 | Sa. | 7 09 | O | 4 15 | C | 9 06 | 18 | 1¼ | 1½ | 8 35 | F | 3 13 | AQR | 4 |
| 356 | 21 | S. | 7 10 | O | 4 15 | C | 9 06 | 18 | 2 | 2¼ | 9 52 | G | 4 05 | PSC | 5 |
| 357 | 22 | M. | 7 10 | O | 4 16 | C | 9 06 | 17 | 3 | 3¼ | 11P06 | I | 4 54 | PSC | 6 |
| 358 | 23 | Tu. | 7 11 | O | 4 16 | C | 9 06 | 17 | 3¾ | 4¼ | — | – | 5 41 | ARI | 7 |
| 359 | 24 | W. | 7 11 | O | 4 17 | C | 9 06 | 16 | 4¾ | 5¼ | 12A19 | J | 6 29 | ARI | 8 |
| 360 | 25 | Th. | 7 11 | O | 4 18 | C | 9 06 | 16 | 5¾ | 6¼ | 1 31 | L | 7 18 | TAU | 9 |
| 361 | 26 | Fr. | 7 12 | O | 4 18 | C | 9 07 | 15 | 6¾ | 7¼ | 2 44 | M | 8 10 | TAU | 10 |
| 362 | 27 | Sa. | 7 12 | O | 4 19 | C | 9 07 | 15 | 7¾ | 8¼ | 3 56 | O | 9 03 | TAU | 11 |
| 363 | 28 | S. | 7 12 | O | 4 20 | C | 9 08 | 14 | 8¾ | 9¼ | 5 04 | P | 9 58 | G'M | 12 |
| 364 | 29 | M. | 7 13 | O | 4 21 | C | 9 08 | 14 | 9½ | 10 | 6 07 | P | 10 53 | G'M | 13 |
| 365 | 30 | Tu. | 7 13 | O | 4 21 | C | 9 09 | 13 | 10¼ | 11 | 7A01 | P | 11P47 | CNC | 14 |
| 366 | 31 | W. | 7 13 | O | 4 22 | C | 9 09 | 13 | 11 | 11¾ | rises | – | — | — | |

## DECEMBER hath 31 days. [1952

If I stay, listening,
Very still,
Emptied of purpose,
Cleansed of will,
Where this snow-silence
Gathers round
And islands me
From the sea of sound,

If I am patient
As a stone,
I may hear something
Never known
To priest or prophet
Or lover or hater:
The work of silence . . .
I'll tell you, later.

| D.M. | D.W. | Aspects, Holidays, Heights of High Water, Weather, etc. | | Farmer's Calendar. |
|---|---|---|---|---|
| 1 | M. | Conn. Surr. Long Island 1664 ☿ in Peri | {10.8 9.2 | *Rain,* |
| 2 | Tu. | Atomic Age began 1942 ☾ runs high Tides | {10.7 — | *snow,* |
| 3 | W. | Marie Carnot was French Pres. 1887 Tides | {9.0 10.5 | *ice,* |
| 4 | Th. | Teheran Conf. 1943 ☌☉☾ Tides | {8.8 10.2 | *and* |
| 5 | Fr. | 18th Amendment repealed 1933 Tides | {8.6 9.8 | *sleet,* |
| 6 | Sa. | St. Nicholas [7th ☾ in Apo.] | {8.5 9.4 | *make* |
| 7 | FE | 2♄S. in A. Pearl Harbor Tides | {8.4 9.0 | *these* |
| 8 | M. | Immac. Conception Tides | {8.4 8.6 | *the* |
| 9 | Tu. | Milton B. 1608 ☿ Stat. in RA. ☾ on Eq. | {8.4 8.4 | *worst* |
| 10 | W. | Cannibalism existed in Maine 1710 Tides | {8.5 8.2 | *days* |
| 11 | Th. | On Boon Island ☿ Gr. Hel. Lat. N. Tides | {8.7 8.0 | *you'll* |
| 12 | Fr. | Jenner D. 1898 ☌♆☾ ☌♄☾ | {8.9 8.0 | *ever* |
| 13 | Sa. | St. Lucy. Chanukah Tides | {9.3 8.1 | *meet.* |
| 14 | FE | 3♄S. in A. Ember Week Tides | {9.6 8.3 | |
| 15 | M. | Nap. Bonaparte Reinterred 1840 ☌☿☾ Tides | {10.0 8.5 | |
| 16 | Tu. | National Emergency 1950 ☾rides low. | {10.4 8.7 | *Colder* |
| 17 | W. | Wreck of the Hesperus, 1839 Tides | {10.7 9.0 | *and* |
| 18 | Th. | Shortest Days ☿ Gr. El. W. Tides | {10.9 — | *snowy,* |
| 19 | Fr. | and longest nights (17-25) ☾ in Peri. Tides | {9.2 10.9 | *but* |
| 20 | Sa. | [21st ☌☉☾] ☌♀☾ | {9.4 10.8 | *fair if* |
| 21 | FE | WINTER BEGINS 4:44 p.m. ☉ en. ♑ | {9.5 10.5 | *blowey.* |
| 22 | M. | Bluebeard strangled 1440 Tides | {9.6 10.2 | *Nippy* |
| 23 | Tu. | Tojo hanged 1948 ☾ on Eq. Tides | {9.6 9.7 | *but* |
| 24 | W. | Robin Hood died 1247 (O.S.) Tides | {9.7 9.3 | *drippy.* |
| 25 | Th. | Christmas Tides | {9.8 8.9 | |
| 26 | Fr. | St. Stephen ☌♃☾ Tides | {9.9 8.7 | *Milder* |
| 27 | Sa. | St. John Tides | {10.0 8.6 | *now and* |
| 28 | FE | Innocents Day Marry today bad luck all the way | {10.2 8.6 | *snow,* |
| 29 | M. | Judas born ☾runs high Tides | {10.2 8.6 | *wouldn't* |
| 30 | Tu. | Dartmouth College Chart. 1767 Tides | {10.3 8.6 | *you* |
| 31 | W. | ☌☉☾ Underground Moon | {10.3 8.7 | *know?* |

For all the bitter world of winter about us we take more kindly now to icy gales and frost than we could in any other month, partly that this month is so close to our harvest—in it carries a sense of thanksgiving and well-being—but, in greater part, that December is the Christmas month and Christmas is in our hearts long before The Day and long after.

So we may welcome now the battering of great storms at our door. We may welcome the cold, who are prepared for it, or blizzards, who have shelter from them. For we are the fortunate ones.

Our bare earth hugs the stubbled corn—just as in the desolate, unhappy places of this world the terribly bare earth alone hugs our fellow men, and is their bleak comfort.

We would pray at this season that there may be a truce to all mankind—the forerunner of everlasting peace—an assurance of warmth and shelter, a brimming ration of love and kindness to men everywhere, even our enemies; and we pray that homefires may again be lighted for those who are homeless and forsaken.

May this be a prayer truly from our hearts, or it is no prayer at all. And may our grace on Christmas day be humble, for we are the fortunate ones. We want no fat graces now—fork in hand and an eye to the feast. May we in humbleness of spirit, in earnestness of prayer reach out beyond our pleasant, tidy world, to the world of agony.

# "ABSORBINE kept my horse at work"

**SAYS MARTIN PAUL**
of Pewee Valley, Kentucky

"I thought my horse would be laid up for a week with shoulder gall 'til I tried Absorbine. It helped give relief in a few hours. I'd recommend Absorbine to any farmer like myself."

***AND* NORWOOD ANDREWS** of Moorestown, N. J., says:

## "I can't afford to have my horse laid up.

"Whenever I see any signs of lameness on my horses, I use Absorbine for relief. I'm sure it saved me many working hours in the past ten years."

Yes, there's nothing like Absorbine for lameness due to shoulder gall, strains, puffs, bruises. Absorbine is not a "cure-all," but a time-proved help in relieving fresh bog spavin, windgall, collar gall, and congestive troubles.

A stand-by for over 50 years, it's used by many leading veterinarians. Will not blister or remove hair. Only $2.50 a long-lasting bottle at all druggists.

**W. F. Young, Inc., Springfield, Mass.**

# THE TWELVE SIGNS OF THE ZODIAC
# THE "FAMOUS" MAN OF THE SIGNS

RAM. **Aries,** THE HEAD.
(ARI) MAR. 20–APRIL 20

TWINS. **Germini,** ARMS. (G'M)

LION, **Leo.** HEART. (LEO)

BALANCE, **Libra,** REINS. (LIB) SEPT. 22. OCT. 22

ARCHER, **Sagittarius,** THIGHS. (SGR)

WATERM'N **Aquarius,** LEGS. (AQR)

BULL, **Taurus,** NECK. (TAU)

CRAB, **Cancer,** BREAST. (CNC) JUNE 21 JULY 21.

VIRGIN, **Virgo,** BOWELS. (VIR)

SCORPION, **Scorpio,** LOINS. (SCO)

GOAT, **Capricornus,** KNEES. (CAP) DEC. 21 JAN. 21.

FISHES. **Pisces,** THE FEET.
(PSC)

The Man of the Signs first began appearing in almanacs in the 15th century. He is regarded highly only by astrologers and the foolish. However, these two categories include millions of otherwise sensible people. We give him to you at their request for the first time in our long history that you may laugh at, rather than believe in, his antics. As the earth spins its way around the sun, we have noted the sun (since about 3000 B.C.) "passes through" 12 divisions of the sky, marked off roughly by 30 day periods, and distinguished respectively by 12 different constellations said to resemble for any mundane star gazer, by the formation or pattern of the stars, the animals whose names appear above. At certain times of the year, for example, we say; "It is Spring, the Sun enters Aries." (See bottom page 11.) By studying the next to last column of pages 12 to 34, you will note the moon's place in the zodiac for everyday in the year. Abbreviations (ARI for Aries, etc.) correspond with those in parentheses above. The moon's place in the zodiac forms the basis of the superstitions (along with its phase) about planting — the favorable signs being Cancer, Libra, and Scorpio (Cnc, Lib, Sco.). Furthermore, astrologers and others will point to these signs as affecting or ruling your personal life. For instance, if your birthdate falls in Aries (Mar. 20-April 20), your "head will rule your heart," etc. Your disposition, character, and abilities will be thus and so because of that birthdate. Some days, weeks and months will be lucky or favorable, some will not, *ad. inf.* It is even prophesied from the zodiac, the rise and fall of political partics and nations. You will find many books, services, etc., on which to waste your money which take up these things. Far better, we say, if you must observe this zodiacal superstition, to donate your funds to the poor box in memory of the various saints who are said to rule these 12 periods: St. Otilia for Aries; St. Blasius for Taurus; St. Lawrence for Gemini, Cancer, Leo; St. Erasmus for Libra and Scorpio; and St. Burgarde, St. Rochus, St. Quintinus, St. John for, respectively, the others.

# OUTDOOR PLANTING TABLE

Find the latitude of your town or city. Interpolate between columns below to find your planting date. For example, if you live in Grove City, Pa. (Lat. 41°09'35") this would mean the latitude was about halfway between Boston-Phila. So your planting times would also be halfway between. N.B. Plant one week later for every 500 ft. elevation above sea level.

The "Moon Most Favorable" columns give the superstitious times when the phase of moon is "Right" for the crop indicated during 1952.

| | 42°21'44" Boston Latitude | | 39°56'58" Phila. Latitude | | 33°45'10" Atlanta Latitude | |
|---|---|---|---|---|---|---|
| CROP | Plant Anytime Between Dates Below | Moon Most Favorable Between | Plant Anytime Between Dates Below | Moon Most Favorable Between | Plant Anytime Between Dates Below | Moon Most Favorable Between |
| Barley | May 15-Jun 21 | May 23-30 | Mar 15-Apr 7 | Mar 25-31 | Feb 15-Mar 7 | Feb 25-29 |
| Beans (Early) | May 7-Jun 21 | May 23-30 | Apr 15-30 | Apr 24-30 | Mar 15-Apr 7 | Mar 25-31 |
| (Late) | Jun 15-Jul 15 | Jun 22-30 | Jun 1-21 | Jun 1-8 | Aug 7-30 | Aug 20-28 |
| Beets (Early) | May 1-15 | May 9-15 | Mar 15-Apr 30 | Mar 15-18 | Feb 7-29 | Feb 10-18 |
| (Late) | Jul 15-Aug 15 | Jul 15-20 | Jul 15-30 | Jul 15-20 | Aug 7-30 | Aug 7-12 |
| Broccoli (E) | May 15-30 | May 23-30 | Mar 7-30 | Mar 7-11 | Feb 15-Mar 15 | Feb 25-29 |
| (Late) | Jun 15-Jul 7 | Jun 22-30 | Aug 1-20 | Aug 1-4 | Sept 7-30 | Sept 19-26 |
| Brussels Spr. | May 15-30 | May 23-30 | Mar 7-Apr 15 | Mar 7-11 | Feb 11-Mar 20 | Feb 25-29 |
| Cabbage (E) | May 15-30 | May 23-30 | Mar 7-Apr 15 | Mar 7-11 | Feb 7-Mar 20 | Feb 25-29 |
| (L) | Jun 7-Aug 7 | Jun 22-30 | Jun 1-Jul 7 | Jun 1-8 | Jul 15-30 | Jul 15-20 |
| Carrots (E) | May 15-30 | May 23-30 | Mar 7-31 | Mar 12-18 | Feb 15-Mar 7 | Feb 25-29 |
| (Late) | Jun 15-Jul 21 | Jul 7-15 | Apr 7-May 30 | Apr 10-17 | Aug 1-Sept 7 | Aug 5-12 |
| Cauliflower (E) | May 15-30 | May 23-30 | Mar 15-Apr 7 | Mar 25-31 | Feb 15-Mar 7 | Feb 25-29 |
| (Late) | June 15-Jul 21 | Jun 22-30 | Jun 1-Jul 7 | Jun 1-8 | Aug 7-30 | Aug 20-28 |
| Celery (Early) | May 15-Jun 30 | Jun 1-8 | May 7-30 | May 9-16 | Apr 15-30 | Apr 24-30 |
| (Late) | Jul 15-Aug 15 | Jul 15-20 | Jun 15-Jul 7 | Jun 15-21 | | None |
| Corn, Sweet (F) | May 15-Jun 15 | May 23-30 | Mar 15-30 | Mar 25-31 | Feb 15-29 | Feb 25-29 |
| (Late) | Jun 15-30 | Jun 22-30 | May 7-Jun 21 | May 23-31 | Aug 7-30 | Aug 20-28 |
| Cucumber | May 7-Jun 20 | May 23-30 | Apr 7-May 15 | Apr 24-30 | Mar 7-Apr 15 | Mar 25-31 |
| Egg Plant | Jun 1-30 | Jun 23-30 | Apr 7-May 15 | Apr 24-30 | Mar 7-Apr 15 | Mar 25-31 |
| Endive (Early) | May 15-30 | May 23-30 | Apr 7-May 15 | Apr 24-30 | Feb 15-Mar 20 | Feb 25-29 |
| (Late) | Jun 7-30 | Jun 22-30 | Jul 15-Aug 15 | Jul 21-29 | Aug 15-Sept 7 | Aug 20-28 |
| Kale (Early) | May 15-30 | May 23-30 | Mar 15-Apr 7 | Mar 25-31 | Feb 15-Mar 7 | Feb 25-29 |
| (Late) | Jul 1-Aug 7 | Jul 21-29 | Jul 15-31 | Jul 21-29 | Sept 7-30 | Sept 19-26 |
| Leek | May 15-30 | May 16-23 | Mar 7-Apr 7 | Mar 11-18 | Feb 15-Apr 15 | Feb 15-18 |
| Lettuce | May 15-Jun 30 | May 23-30 | Mar 1-31 | Mar 7-11 | Feb 15-Mar 7 | Feb 25-29 |
| Melon (Musk) | May 15-Jun 30 | May 23-30 | Apr 15-May 7 | Apr 24-30 | Mar 15-Apr 7 | Mar 25-31 |
| Onion | May 15-Jun 7 | May 16-23 | Mar 1-31 | Mar 11-18 | Feb 1-28 | Feb 10-18 |
| Parsley | May 15-30 | May 23-30 | Mar 1-31 | Mar 25-31 | Feb 20-Mar 15 | Feb 25-29 |
| Parsnip | Apr 1-30 | Apr 24-30 | Mar 7-31 | Mar 7-11 | Jan 15-Feb 7 | Jan 15-20 |
| Peas (Early) | Apr 15-May 7 | Apr 24-30 | Mar 7-31 | Mar 7-11 | Jan 15-Feb 7 | Jan 26-31 |
| (Late) | Aug 15-30 | Aug 20-28 | Jul 7-31 | Jul 21-29 | Aug 15-30 | Aug 20-28 |
| Pepper | May 15-Jun 30 | May 23-30 | May 1-31 | May 1-8 | Apr 1-20 | Apr 2-10 |
| Pumpkin | May 15-30 | May 23-30 | Apr 23-May 15 | Apr 24-30 | Apr 7-20 | Apr 7-10 |
| Potatoes | May 15-30 | May 16 | Apr 7-May 30 | Apr 10-17 | Jan 1-Mar 7 | Jan 11-20 |
| Radish (Early) | Apr 15-30 | Apr 10-17 | Mar 7-31 | Mar 7-11 | Jan 21-Mar 1 | Jan 21-26 |
| (Late) | Aug 15-30 | Aug 12-20 | Aug 7-31 | Aug. 7-12 | Sept 1-21 | Sept 3-10 |
| Spinach (E) | May 15-30 | May 23-30 | Mar 15-Apr 20 | Mar 25-31 | Feb 7-Mar 15 | Feb 25-29 |
| (Late) | Jul 15-Sept 7 | Jul 22-30 | Aug 1-Sept 15 | Aug 20-28 | Sept 1-21 | Sept 19-21 |
| Swiss Chard | May 1-30 | May 23-30 | Mar 15-Apr 15 | Mar 25-31 | Feb 7-Mar 15 | Feb 25-29 |
| Summer Squ | May 15-Jun 15 | May 23-30 | Apr 15-May 15 | Apr 24-30 | Mar 15-Apr 15 | Mar 25-31 |
| Tomato | May 15-30 | May 23-30 | Apr 7-30 | Apr 24-30 | Mar 7-20 | None |
| Turnip (Early) | Apr 7-30 | Apr 10-17 | Apr 7-30 | Apr 10-17 | Jan 20-Feb 15 | Jan 20-26 |
| (Late) | Jul 1-Aug 15 | Jul 15-20 | Aug 1-20 | Aug 5-12 | Sept 1-Oct 15 | Sept 3-10 |
| Wheat (Fall) | Oct 7-30 | Oct 18-25 | Sept 15-Oct 20 | Sept 19-26 | Oct 15-Dec 7 | Oct 15-18 |
| (Spring) | Apr 7-30 | Apr 24-30 | | | | |

## PLANTING DATES FOR FLOWERS . . . MORE ABOUT THE MOON

On the preceding page you will find approximate planting dates for vegetables and for crops, with a "moon column" adjoining each geographical division which tells you what some people consider the best moon planting time. In considering this "moon planting time" one should remember it is superstition only and has never been proven of value by scientific methods. The way these moon times are arrived at are: that crops or flowers which win their way by results above ground (like beans or pansies) do better when planted in the "light" of the moon—which is the same thing as saying during the new or first quarter of the moon. Those with root crops do better when planted during the full or last quarter of the moon. For flowers then use the opposite page taking the "Beans" head for everything except those largely dependent on bulbs—like lilies, tulips, iris, etc. for which the moon and other planting dates would correspond with those given for beets or potatoes. Complete and exact times and dates of the moon's phases (new, first quarter, etc.) are given on the left hand calendar pages—12 through 34. If you contemplate attention to these moon superstitions, a good general guide is to remember the "best time" for growing things above ground is during the new and first quarter of the moon, for growing things below ground during the full, and for killing weeds, brush, etc., during the last quarter.

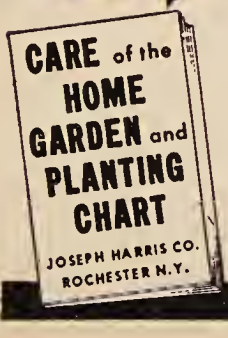
The **best fishing** is supposedly to be had during the last quarter and during the new moon. **Set hens** to hatch their eggs at beginning of new moon, **wean calf**, etc. at beginning of new moon.

The moon planting dates as given on the opposite page have not been adjusted to coincide with the astrological best "sign" times. For these you may consult page 37.


# HARRIS SEEDS

## FREE 1952 CATALOG *ready January 1st*

FREE! with First Order




Join the thousands of Market and Home Gardeners who depend on the HARRIS CATALOG for expert help in growing better vegetables and flowers. It's jam-packed with helpful suggestions as well as honest descriptions of varieties best adapted to **northern growing conditions.** Has hundreds of illustrations (some in color) from photographs taken here on our own farms.

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**JOSEPH HARRIS CO., Inc.**

**90 Moreton Farm** **Rochester 11, New York**

# MOTOR VEHICLE LAWS—1951

*Courtesy:* American Automobile Association

| State | Op. Rd. Speed Max. (R—reasonable) | Date new license plates can be used | Driving license* Minimum age** | Gasoline tax | Percent sales tax | Period of stay[1] | Safety responsibility law | Certificate of title required |
|---|---|---|---|---|---|---|---|---|
| Alabama | R | Oct. 1 | 16 | $.06 | ½[2] | Reciprocal | yes | no |
| Arizona | 60 | On sale | 18 | .05 | 2 | [3] | yes | yes |
| Arkansas | 55 | Jan. 1 | 18 | .065 | 2 | 90 days | no | yes |
| California | 55 | Jan. 1 | 16 | .045 | 3 | [3] | yes | yes |
| Colorado | 60 | On issue | 16 | .06 | 2 | Reciprocal | yes | yes |
| Connecticut | 45 | Feb. 15 | 16 | .04 | 2 | Reciprocal | yes | no |
| Delaware | 55 | [4] | 16 | .05 | ... | Reciprocal | yes | yes |
| D. C. | 25 | Mar. 1 | 16 | .04 | ... | Reciprocal | yes | yes |
| Florida | 60 | Dec. 1 | 16 | .07 | ... | Reciprocal | yes | yes |
| Georgia | 55 | Jan. 1 | 16 | .07 | ... | 30 days | yes | no |
| Idaho | R | Jan. 1 | 16 | .06 | ... | Reciprocal | yes | yes |
| Illinois | R | Dec. 1 | 15 | .03 | 2 | Reciprocal | yes | yes |
| Indiana | R | Jan. 2 | 16 | .04 | ... | 60 days | yes | yes |
| Iowa | R | Dec. 1 | 16 | .04 | 2 | Reciprocal | yes | no |
| Kansas | R | Jan. 1 | 16 | .05 | 2 | Reciprocal | yes | yes |
| Kentucky | 60 | Dec. 29 | 16 | .07 | ... | Reciprocal | yes | [6] |
| Louisiana | 60 | Dec. 15 | 15 | .09 | 2 | Reciprocal | no | no |
| Maine | 45 | Dec. 25 | 15 | .06 | 2 | Reciprocal | yes | no |
| Maryland | 50 | Mar. 15 | 16 | .05 | 2 | Reciprocal | yes | yes |
| Massachusetts | 40 | Jan. 1 | 16 | .03 | ... | Reciprocal | [9] | no |
| Michigan | R | On sale | 16 | .03 | 3 | 90 days | yes | yes |
| Minnesota | 60 | Nov. 1 | 15 | .05 | ... | Reciprocal | yes | no |
| Mississippi | 60 | Oct. 1 | 17 | .07 | 2 | [3] | no | no |
| Missouri | R | On issue | 16 | .02 | 2 | Reciprocal | yes | yes |
| Montana | 50 | Jan. 1 | 15 | .06 | ... | 30 days | yes | yes |
| Nebraska | 60 | Jan. 1 | 15½ | .06 | ... | [3] | yes | yes |
| Nevada | R | Dec. 15 | 16 | .055 | ... | No limit | yes | yes |
| New Hampshire | 50 | Mar. 1 | 16 | .04 | ... | Reciprocal | yes | no |
| New Jersey | 40 | Mar. 1 | 17 | .03 | ... | Reciprocal | yes | yes |
| New Mexico | No limit | Dec. 1 | 14 | .07 | 1 | 90 days | yes | yes |
| New York | 50 | Jan. 1 | 18 | .04 | ... | Reciprocal | yes | no |
| North Carolina | 55 | Dec. 1 | 16 | .07 | 3[11] | Reciprocal | yes | yes |
| North Dakota | 50 | On issue | 16 | .04 | 2 | Reciprocal | yes | yes |
| Ohio | 50 | Mar. 1 | 16 | .04 | 3 | Reciprocal | yes | yes |
| Oklahoma | 65 | Dec. 11 | 16 | .065 | 2 | 60 days | yes | yes |
| Oregon | 55 | On issue | 16 | .06 | ... | Reciprocal | yes | yes |
| Pennsylvania | 50 | Mar. 15 | 18 | .05 | ... | Reciprocal | yes | yes |
| Rhode Island | 50 | Mar. 1 | 16 | .04 | 1 | Reciprocal | yes | no |
| South Carolina | 55 | Sept. 1 | 14 | .06 | ... | 90 days | no | no |
| South Dakota | 60 | Jan. 1 | 15 | .04 | 2[12] | 90 days | yes | yes |
| Tennessee | R | Mar. 1 | 16 | .07 | 2 | 30 days | yes | [6] |
| Texas | 60 | Feb. 1 | 16 | .04 | 1.1 | Reciprocal | no | yes |
| Utah | 60 | Dec. 15 | 16 | .04 | 2 | Reciprocal | yes | yes |
| Vermont | 50 | Mar. 1 | 16 | .05 | ... | Reciprocal | yes | no |
| Virginia | 55 | Mar. 15 | 15 | .06 | ... | 6 mos. | yes | yes |
| Washington | 50 | On issue | 16 | .065 | 3 | Reciprocal | yes | yes |
| West Virginia | 50 | June 20 | 16 | .05 | ... | 90 days | yes | yes |
| Wisconsin | 65 | On issue | 16 | .04 | ... | Reciprocal | yes | yes |
| Wyoming | 60 | Dec. 1 | 15 | .04 | 2 | 90 days | yes | yes |

[1]Applies to nonresidents. The term "reciprocal" means that the state will extend to a nonresident the identical privileges granted by his home state to nonresident motorists. In some states visitors must register within a specified time. In most states persons who intend to reside permanently must buy new plates and secure new driving license at once, or within a limited period. Acquisition of employment or placing children in public school is often considered intention to reside permanently.

[2]None on used cars.

[3]Until expiration of home registration.

[4]Three months before current registration expires.

[5]Use tax on new cars, first registration of used cars.

[6]Bill of sale must be filed.

[9]Permit showing compliance with state compulsory liability insurance law must be obtained after 30 days.

[9]State has compulsory insurance.

[11]$15 maximum.

[12]Registry tax on first registration in state.

*South Dakota does not require. All other states do.

**Only states not requiring examinations for drivers licenses are Idaho, Missouri, and N. Dakato.

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# DIGEST OF LATEST AVAILABLE FISH AND GAME LAWS

*Courtesy:* State Commissioners and Hunting & Fishing Magazine

Open seasons include both dates, "Rabbit" includes "hare"; "quail" includes "partridge" in South; "grouse" includes Canada grouse, sharptailed, ruffed (known as partridge in North and pheasant in South) and other members of family except prairie chickens ptarmigan and sage hen. As many states do not complete laws for 1951 until after our press date, VERIFY in every case for changes even though the changes from year to year are not as a rule sensational. Limits are daily except those in italics which are seasonal.

**JUNE 15, 1951**

♂ males only. † local exceptions. ‡ non-resident exceptions. # Pounds.

| State and Species | Seasons | Limits, Season |
|---|---|---|
| **Alabama** | | |
| Deer | Nov. 25-Jan. 1 † ♂ | *3* |
| Rabbit | Oct. 16-Feb. 20 | *6* |
| Squirrel | N-Oct. 16-Jan. 1<br>S-Oct. 30-Jan. 15 | *6* |
| Muskrat (fur), Otter | Nov. 20-Jan. 31 | |
| Quail | Nov. 25-Feb. 20 | *8* |
| Turkey | Nov. 25-Jan. 1 ♂ † | *5* |
| Bass | No closed season | 10 |
| White. bass | No closed season | 15 |
| Bream | No closed season | 30 |
| Crappie, wh. pch. | No closed season | 20 |
| Jack Salmon | No closed season | 10 |
| W.-eye pike | No closed season | 15 |
| **Alaska** | | |
| Bison | Oct. 1-15 | 1 |
| Deer | E. Sep. 1-Nov. 15 ♂<br>W. Sep. 15-Oct. 15 ♂ | *2‡* |
| Moose | E. Sep. 15-Oct. 14 ♂<br>W. Sep. 1-20, Dec. 1-20 | *1* |
| Bear, br. & grz. | Sept. 1-June 20† | *2* |
| Bear, black | E. Sept. 1-Jan. 20<br>W. No closed season | *3* |
| Caribou | Special Zones | *2* |
| Mountain goat | E. Aug. 20-Nov. 15<br>W. Sep. 1-Oct. 31 | *1‡* |
| Mountain sheep | Aug. 20-31† | *1‡* |
| Rabbit | No closed season† | |
| Grouse & Ptar'g'n | Sept. 1-Feb. 28<br>† agg. | 10 |
| Trout & grayling | † | 15† |
| **Arizona** | | |
| Elk | Nov. 17-30 | 1 |
| Deer | By permit | *1* |
| Rabbit | Dec. 15-Jan. 31 | *6* |
| Javellna | Mar. 1-31 | |
| Antelope | By Permit | |
| Buffalo | By Permit | |
| Turkey | Oct. 9-13 | 1 |
| Trout | May 5-Sept. 30 | 10 |
| Bass | No closed season | 10 |
| Bluegill | No closed season | 20 |
| Chan. Catfish | No closed season | 10 |
| **Arkansas** | | |
| Deer | Nov. 12-15† ♂<br>Dec. 10-13† ♂ | |
| Squirrel | Oct. 1-Dec. 31 | *1* |
| Quail | Dec. 1-Jan. 31 | 8 |
| Turkey | Apr. 2-6 | 8 |
| Bass | May 16-Mar. 16 | 1 |
| Trout | May 16-Oct. 31 | 8 |
| Pike, Jack salmon | No closed season | 6 |
| Bream, perch | No closed season | 6 |
| Lake Bass | No closed season | 20 |
| **California** | | |
| Deer | Local seasons | *2* |
| Elk | Closed 1951 | |
| Antelope | Sept. 1-10 ♂ | *1* |
| Bear | Oct. 13-Dec.31 | *2* |
| Rabbit | Nov. 18-Dec.31 | 4 |
| Quail | Nov. 17-Dec.31 | 8 |
| Pheasant | Nov. 17-26 ♂ | 2 |
| Trout (exc. gldn) (Sp. wntr seas.) | Apr. 28-Oct. 31 | 15 |
| Salmon | Apr. 28-Oct. 31 | 15 |
| Bass, black | Apr. 28-Feb.28 | 5 |
| Sunfish, Perch | Apr. 28-Feb.28 | 25 |
| **Colorado** | | |
| Deer<br>Elk<br>Bear | Opens Oct. 15 | 1<br>1<br>1 |
| Quail | Not set | 8 |
| Pheasant | Not set | 3 |
| Rabbit | Oct. 15-Dec. 31 | 5 |
| All fish (Lakes under 7000 | May 25-Oct. 31 ft. open all year) | 10 to 20 |
| **Connecticut** | | |
| Deer | Dec. 31-Jan. 31† | 1 |
| Rabbit | Nov. 1-Dec. 31 | *30* |
| Squirrel | Oct. 21-Nov. 25 | *30* |
| Quail | Oct. 21-Nov. 4 | *18* |
| Pheasant ♂ | Oct. 21-Nov. 25 | *15* |
| Grouse | Oct. 21-Nov. 25 | *15* |
| Trout | Apr. 16-July 15 | 10 |
| Lake trout | Apr. 16-Aug. 31 | 3 |
| Pickerel | Apr. 16-Feb. 9 | 6 |
| Wall-eye | Apr. 16-Feb. 9 | 6 |
| Bass, black | Apr. 16-Oct. 31 | 10 |
| Bass, striped | Apr. 16-Feb. 9 | 10 |
| Perch | Apr. 16-Feb. 9 | 15 |
| Salmon, sockeye | Apr. 16-Aug. 31 | 5 |
| Shad | Apr. 16-July 15 | |
| Alewives | Mar. 1-May 31 | |
| **Delaware** | | |
| Rabbit | Nov. 15-Dec. 31 | 6 |
| Squirrel | Sept. 15-Nov. 1 | 6 |
| Quail | Nov. 15-Dec. 31 | 12 |
| Pheasant | Nov. 15-Dec. 31 ♂ | *6* |
| Bass | June 25-Feb. 1 | 6 |
| Pike, pkl., w. eyed pike | June 25-Mar. 1 | 6 |
| Trout | Apr. 16-Aug. 15 | 6 |
| **Florida** | | |
| Deer, male | Nov. 22-Jan. 5 † ♂ | *2* |
| Squirrel | Nov. 22-Feb. 1† | 12 |
| Quail | Nov. 22-Feb. 1 † | 10 |
| Turkey | Nov. 22-Feb. 1 † | *4* |
| Bass, black | No closed season | 8 |
| Bream, perch | No closed season | 20 |
| Tarpon | No closed season | |
| **Georgia** | | |
| Deer | Nov. 10-25 ♂ | *1* |
| Bear | Nov. 20-Feb 15 † | |
| Squirrel | Nov. 1-Jan. 5 | 10 |
| Quail | Nov. 25-Feb. 25 | 15 |
| Grouse | Nov. 20-Jan. 15 | 3 |
| Turkey | Nov. 15-Feb. 15 † | *2* |
| Rabbit | Nov. 1-Feb. 25 | 8 |
| Opossum | Oct. 1-Feb. 15 | |
| Bass, striped | No closed season† | 10 |
| Bass, black | No closed season† | 10 |
| Bass, rock | No closed season† | 10 |
| Bass, Ky. or r.-eye | No closed season† | 10 |
| Bream, perch | No closed season† | 25 |
| Crappie | No closed season† | 15 |
| Pickerel | No closed season† | 15 |
| Wall-eyed pike | No closed season† | 3 |
| Muskellunge | No closed season† | 2 |
| Trout | Apr. 1-Nov. 15† | 10 |
| **Idaho** | | |
| Moose | By permit | 1 |
| Deer, elk | Oct. 5-31 | *1* |
| Antelope | By permit | |
| Quail | Oct. 29-Nov. 27 | 5 |
| Pheasant | Oct. 29-Nov. 27 | 2 |
| Rabbit (Ctnt) | Oct. 1-Jan. 31 | 4 |

| | | |
|---|---|---|
| **Idaho (cont.)** | | |
| Hun. partridge | Oct. 29-Nov. 27 | 5 |
| Sage hen | Sept. 17-18 | 2 |
| Grouse, other | Not set | 2 |
| Pheasant | Not set | 2 |
| Rabbit | Oct. 1-Jan. 31 | 4 |
| Trout | June 4-Oct. 31 | 20 |
| Black Bass | No closed season | 10 |
| Sturgeon | No closed season | 2 |
| Bass (l-mouth) | No closed season | 10 |
| Crappie, Perch, Sunfish | No closed season | 25 |
| | | 1 |
| Bass (s-mouth) | Not set | |
| Salmon (steelhd.) | June 4-Oct. 31 | 2 |
| **Illinois** | | |
| Rabbit | Nov. 11-Jan. 8 | 8 |
| Squirrel | Special zones | 5 |
| Quail | Nov. 11-Dec. 11 | 10 |
| Pheasant | Nov. 11-Nov. 25† | 2 |
| Bass, black | No closed season | 10 |
| Bass (rk., wrmth. wh., yel.) | | 50 (75 in ag- g.) |
| crappies, sunf., blue-gills | No closed season | |
| Buffalo, bullhd., catf., carp, sbphd. | No closed season | |
| Trout | Apr. 1-Sept. 30 | 8 |
| Perch | No closed season | |
| Pickerel | May 1-Nov. 30 | 8 |
| Wall-eyed pike | May 1-Feb. 15 | 8 |
| Bass, S.M. | Special zones | 10 |
| Lake tr., white-fish | No closed season | |
| **Indiana** | | |
| Rabbit | Nov. 10-Jan. 10 | 5 |
| Squirrel | Not set | 5 |
| Quail | Nov. 10-Dec. 20 | 10 |
| Pheasant | Dates not set | |
| Hun. partridge | Nov. 10-Dec. 20 | 5 |
| Bluegill, rd.-eared sunf., crappie | No closed season | 25 in ag- g. |
| Rock bass | June 16-Apr. 30 | 6 |
| Bass, silv. or yel., bl., Ky., wh. or str. | June 16-Apr. 30 | 10 in ag- g. |
| Pike-perch | June 16-Apr. 30 | 6 |
| Pike or pickerel | June 16-Apr. 30 | 6 |
| Yellow perch | June 16-Apr. 30 | |
| Trout | May 1-Aug. 31 | 15 |
| Chan. catfish | No closed season | |
| **Iowa** | | |
| Rabbit | Not set | 10 |
| Squirrel | Not set | 6 |
| Pheasant | Not set | 2 |
| Quail | Not set | 8 |
| Hungarian partridge | Date not set | |
| Trout | May 1-Nov. 30 | 8 |
| Northern pike | May 15-Feb. 15 | 5 |
| Bass | May 30-Feb. 15 | 5 |
| Pike, sand or saug., w.-eyed | May 15-Feb. 15 | 5 |
| Bullheads | No closed season | 25 |
| Yell, pch. and bass, yellow str., silver | May 15-Feb. 15 | 15 |
| Crap., cal. bass | No closed season | 15 |
| Catfish | Apr. 15-Nov. 30† | 8 |
| **Kansas** | | |
| Squirrel | June 15-Nov. 30 | 8 |
| Quail | Not set | 8 |
| Pheasant | Not set | 3 |
| Rabbit | Dec. 7-Oct. 15 | |
| Bass | May 26-Apr. 24 | 10 |
| **Kentucky** | | |
| Rabbit | Nov. 20-Jan. 10 | 8 |
| Squirrel | Aug. 20-Nov. 5 | 6 |
| Quail | Nov. 20-Jan. 10 | 10 |
| Ruffed Grouse | Nov. 20-Dec. 15 | 2 |
| Bass, black | No closed season | 10 |
| Trout | No closed season | 10 |
| W.-eyed pike, sand pike or sauger | No closed season | 15 10 |

| | | |
|---|---|---|
| **Ken, (cont.)** | | |
| Striped bass | No closed season | 15 |
| Crappie | No closed season | 15 |
| Rock bass | No closed season | 15 |
| Muskellunge | No closed season | |
| **Louisiana** | | |
| Deer | Nov. 15-Jan. 10 † | 2 |
| Bear | Closed | 5 |
| Rabbit | Oct. 15-Feb. 15 | 5 |
| Squirrel | Oct. 15-Jan. 1 | 10 |
| Quail | Dec. 1-Feb. 10 | 15 |
| Turkey | Closed | 1 |
| Bass, black, yel., white | No closed season | 15 25 |
| Crappie | No closed season | 25 |
| Sunfish | No closed season | 50 |
| **Maine** | | |
| Deer | Oct. 21-Nov. 30† | 1 |
| Bear | No closed season | |
| Rabbit | Oct. 1-Feb. 28† | 4 |
| Squirrel | Oct. 1-Oct. 31 | 4 |
| Pheasant | Oct. 1-Nov. 15 | 2 |
| Grouse | Oct. 1-Nov. 15 | 4 |
| Salmon, togue(a) | Ice out-Sept. 30 | 25 |
| Salmon, togue(b) | Ice out-Sept. 15 | 25 |
| Salmon, togue(c) | Ice out-Aug. 15 | 25 |
| Trout(a) | Ice out-Sept. 30 | 25 |
| Trout(b) | Ice out-Sept. 15 | 25 |
| Trout (c) | Ice out-Aug. 15 | 25 |
| Wh. perch(a) | Ice out-Sept. 30 | 25 |
| Wh. perch(b) | Ice out-Sept. 15 | 25 |
| Wh. perch(c) | Ice out-Aug. 15 | 25 |
| Black bass(a) | June 21-Sept. 30 | 10 |
| Black bass(b) | June 21-Sept. 15 | 25 |
| Black bass(c) | June 21-Aug. 15 | 25 |
| Black bass (fly) | June 1-20 | 3 |
| Pickerel | No closed season | 10† |
| a-Lakes & ponds | | |
| b-Riv. abv. tidewtr. | | |
| c-Brooks, streams | | |
| **Maryland** | | |
| Deer | Dec. 5-10 ♂† | 1 |
| Squirrel | Oct. 10-31 | 6 |
| Quail | Nov. 15-Dec. 31† | 6 |
| Grouse | Nov. 15-Dec. 31† | 2 |
| Pheasant | Nov. 15-Dec. 31† ♂ | 2 |
| Turkey | Nov. 15-Dec. 30† | 1 |
| Trout | Apr. 15-July 15 | 10 |
| Bass-non-tdl. | July 1-Nov. 30 | 10 |
| Str. (rck.) bass, non-tdl. wtrs. | Mar. 15-Nov. 30 | 10 |
| Wall-eyed pike | Apr. 1-Nov. 15 | 10 |
| Pike, pickerel | July 1-Nov. 30 | 10 |
| Perch | No closed season | 15 |
| Catfish | Feb. 15-Nov. 30† | |
| **Massachusetts** | | |
| Deer | Dec. 3-8 | 1 |
| Rabbit, hare | Oct. 20-Feb. 5 | 5 |
| Squirrel | Oct. 20-Nov. 20 | 15 |
| Quail | Oct. 20-Nov. 20 | 20 |
| Grouse | Oct. 20-Nov. 20 | 2 |
| Pheasant | Oct. 20-Nov. 20 ♂ | 2 |
| Bass | July 1-Feb. 15 | 5 |
| Pike | Apr. 15-Feb. 15 | 5 |
| Muskellunge | Apr. 15-Feb. 15 | 5 |
| Pickerel | Apr. 15-Feb. 15 | 10 |
| White perch | Apr. 15-Feb. 15 | 15 |
| Salmon | Apr. 15-Feb. 15 | 5 |
| Trout | Apr. 15-July 31† | 12 |
| Bluegls., cal. bass, crappie, hrnd. pout, sunfish, yel. pch. | Apr. 15-Feb. 15 | 20 |
| **Michigan** | | |
| Bear | Nov. 15-30 | 1 |
| Rabbit | U. Oct. 1-Mar. 1<br>L. Oct. 15-Dec. 31 | 5 |
| Deer | Nov. 15-30 | 1 |
| Grouse, prairie chicken | U. Oct. 1-Oct. 20†<br>L. Oct. 15-Nov. 15 | 3<br>3 |
| Pheasant | L. Oct. 15-Nov. 15 | 8 |
| Squirrel | L. Oct. 15-Nov. 15 | 5 |
| Trout | Apr. 28-Sept. 9† | 15† |
| Black Bass | June 25-Dec. 31 | 5† |
| No. pike, pk. pch. | May 15-Sept. 9 | 5 |
| Muskellunge | May 15-Sept. 9 | |
| Crappie, whtf. | Apr. 28-Sept. 9† | 25 |

| | | |
|---|---|---|
| **Michigan (cont.)** | | |
| White bass | No closed season | 10 |
| Crappie, rk. bass, yel. pch., bluegills, sunfish | June 25-Mar. 31† | 25† |
| Whitefish | No closed season | 7 |
| **Minnesota** | | |
| Deer (Bow and Arrow) | Not set | *1* |
| Deer | Not set | *1* |
| Bear | Not set | |
| Squirrel | Not set | 7 |
| Quail | Not set | 10 |
| Pheasant | Not set | 3 |
| Rabbit | Not set | 15 |
| Raccoon | Not set | |
| W.-eyed pike, saugers, gt. no. pike, pickerel | May 12-Feb. 15† | 8 |
| Muskellunge | May 12-Feb. 15† | 2 |
| Bass | June 23-Nov. 30† | 6 |
| Trout | May 1-Sept. 5† | 15 |
| Lake Trout | Dec. 29-Feb. 15†<br>May 1-Sept. 30† | 5 |
| Crappies, sunfish wh. & rk. bass | May 12-Feb. 15† | 15 |
| Catfish | May 12-Feb. 15† | 10 |
| Bullheads | May 12-Feb. 15† | 50 |
| Whitefish | May 12-Feb. 15† | |
| Buffalo | May 12-Feb. 15† | |
| **Mississippi** | | |
| Deer | Nov. 20-Dec. 26 | *1* |
| Bear | No open season | |
| Rabbit | Any open season | 5 |
| Squirrel | Oct. 14-Dec. 15 | 5 |
| Quail | Dec. 10-Feb. 10† | 8 |
| Turkey | Nov. 20-Dec. 26† | *1* |
| Bass | No closed season | 15 |
| Crappie | No closed season | 15 |
| White perch | No closed season | 15 |
| Sunfish | | 25 |
| **Missouri** | | |
| Deer | Not set (res. only) | 1 |
| Rabbit | Nov. 10-Dec. 31 | 6 |
| Squirrel | Nov. 10-30 | |
| Quail | Nov. 10-Dec. 31 | 10 |
| Wall-eyed pike | May 30-Nov. 30 | 4 |
| Bass, black | May 30-Nov. 30 | 6 |
| Trout | Mar. 1-Nov. 30 | 6 |
| Bass, wh., yel. | Mar. 15-Nov. 30 | 9 |
| Bass, warmth., rk. | Mar. 15-Nov. 30 | 9 |
| Crappie | Mar. 15-Nov. 30 | 9 |
| Channel cat | Mar. 15-Nov. 30 | 6 |
| Blue gl., bl. pch. | Mar. 15-Nov. 30 | 12 |
| **Montana** | | |
| Antelope | Sept. 7-Oct. 15† | 1 |
| Deer | Oct. 15-Nov. 15† ♂ | *1* |
| Bear | Apr. 15-Nov. 15† | *1*† |
| Elk | Sept. 15-Dec. 31 | |
| Moose | Oct. 15-Nov. 15† | 1 |
| Goat | Local seasons | *1*† |
| Grouse<br>Quail, turkey<br>Sage hen<br>Hun. partridge<br>Pheasant | Dates not set | |
| All game fish | May 20-Nov. 15 | 15 |
| **Nebraska** | | |
| Quail | Not set | 5 |
| Rabbit | Not set | 10 |
| Squirrel | Not set | 5 |
| Pheasant | Not set | 3 |
| Raccoon | Not set | |
| Trout | No closed season | 5 |
| Bass, black | No closed season† | 10 |
| Crapple, sunf., rock bass | No closed season† | 15 |
| Bullheads | No closed season† | 15 |
| Catfish | No closed season† | 10 |
| Perch | No closed season† | |
| Pike, w.-eye, saug. no'thn. | No closed season† | 5 |

| | | |
|---|---|---|
| **Nevada** | | |
| Antelope | Not set | 1 |
| Deer | Not set | *1* |
| Rabbit | Not set | |
| Quail | Dates not set | |
| Pheasant | Dates not set | |
| All game fish | Apr. 15-Oct. 1 | 25 |
| **New Hampshire** | | |
| Deer | North—Nov.1-30<br>South—Dec.1-31 | *1* |
| Bear | No closed season | |
| Rabbit, hare | Oct. 1-Mar. 1 | 5 |
| Squirrel | Oct. 1-Nov. 1 | 5 |
| Quail | No open season | |
| Grouse | Oct. 1-Dec. 1 | *25* |
| Pheasant | Oct. 15-Nov. 16 ♂† | *10* |
| Trout, brook | May 1-Aug. 31 | 15 |
| Lake Trout | Jan. 1-Sept. 30† | 2 |
| Lake Trout (fly) | May 1-Aug. 31 | 2 |
| Salmon | Apr. 1-Aug. 31 | 2 |
| Trout, golden | Apr. 1-Aug. 31 | 4 |
| Bass | July 1-Oct. 31† | 5# |
| Muskellunge | June 1-Aug. 31 | |
| Pike-perch | May 28-Oct. 31† | |
| Pickerel | May 28-Jan. 31 | 10# |
| **New Jersey** | | |
| Deer | | 1 |
| Archery | | |
| Rabbit, squirrel | | 6 |
| Quail | | 10 |
| Grouse | Made | 3 |
| Pheasant | up | *30* |
| Trout | in | 10† |
| Pike, pick'l, pike-perch | July<br>Write | 10 |
| Bass, bl., Oswego, white | Trenton<br>for | 10 |
| Calico, rock bass, crapple | dates | 20 |
| Bass, striped<br>Wh., yel. pch., catf., sunf. | | |
| **New Mexico** | | |
| Deer | Nov. 10-Nov. 21† ♂ | *1* |
| Elk | Oct. 26-Nov. 2 | *1* |
| Bear | Sept. 15-Dec. 10† | *1*† |
| Antelope | Shooting by permit† ♂ | |
| Turkey | Nov. 10-Nov. 21† | 1 |
| Squirrel | Nov. 10-Nov. 21 | *5* |
| Trout | May 30-Nov. 21 | 15 |
| Bass, pike pch.<br>Chan. catf. | | 20 |
| Crappie<br>Sunf., ring pch. and bream | Apr. 1-15 & May 30-Nov. 30<br>June 1-Nov. 30 | 20 |
| Bullhd., yel. and mud catfish | No closed season | 20 |
| **New York** | | |
| Deer | Oct. 25-Nov. 25† ♂ | *1* |
| Bear | Oct. 25-Nov. 25† | *1* |
| Rabbit | By dept. order | 6† |
| Squirrel | Oct. 19-Nov. 16 | 5 |
| Quail | Not set | 6† |
| Grouse | Not set | 2 |
| Pheasant ♂ | Not set | 1 |
| Black bass | July 1-Nov. 30† | 6† |
| Striped bass | No closed season | |
| Muskellunge | July 1-Dec. 1† | † |
| Salmon, ldlckd. | Apr. 1-Sept. 10 | 2 |
| Salmon, chinook | Apr. 1-Sept. 10 | 3 |
| Pike-perch | May 1-Mar. 1† | 10† |
| Pickerel | May 1-Mar. 1† | 10† |
| Gt. no'n. pike | May 1-Mar. 1† | 10† |
| Trout, brk., br., r'bow | Apr. 14-Sept. 9† | 10† |
| Lake trout | Apr. 1-Sept. 10 | 3† |
| Bullheads | No closed season† | † |
| Whitefish | Apr. 1-Sept. 10† | † |
| Perch, white | No closed season | 25† |
| Perch, yellow | No closed season† | |
| **Long Island** | | |
| Squirrel | Nov. 1-Dec. 31 | 6 |
| Grouse | Not set | 2 |
| Pheasant | Nov. 1-Dec. 31 | 30 |
| **North Carolina** | | |
| Deer | Oct. 15-Jan. 2 | 1 |
| Bear | Oct. 15-Jan. 2 | 2 |

| | | |
|---|---|---|
| **N. Carolina (con t.)** | | |
| Rabbit | Nov. 5-Jan. 10 | 7 |
| Squirrel | Oct. 1-Jan. 2 | 8 |
| Quail | Nov. 24-Jan. 31 | 8 |
| Grouse | | 2 |
| Turkey | | 1 |
| Russian boar | Oct. 15-Jan. 2 | 1 |
| Trout | Apr. 15-Aug. 31 | 10 |
| Bass, black | No closed season | 8 |
| Pike, walleyed | No closed season | 5 |
| Bass, striped | No closed season | 8 |
| **North Dakota** | | |
| Deer | Not set | 1 |
| Sharptail | Not set | 3 |
| Pin'd grouse | | |
| Sage & ruffed grouse; part'ge | Dates not set | |
| Pheasant | Not set | 4 |
| Bass | June 16-Oct. 31 | 5 |
| Wall-eyed pike, northern pike | May 16-Oct. 31 | 5 |
| Crappie, Sunfish | May 16-Mar. 15 | 15 |
| Trout, Salmon | May 2-Sept. 30 | 5 |
| Perch | May 16-Mar. 15 | |
| **Ohio** | | |
| Deer | Dec. 13-18 | 1 |
| Rabbit | Nov. 15-Dec. 30 | 4 |
| Squirrel | Sept. 15-30 | 4 |
| Pheasant | Nov. 15-25 ♂ | |
| Hun. partridge | Closed | |
| Grouse | Nov. 15-Dec. 30 | 2 |
| INLAND DIST. | | |
| Muskellunge | No closed season | 2 |
| Wall-eyed pike | No closed season | 6 |
| Sauger | No closed season | 6 |
| Trout | Apr. 15-Sept. 15 | 6 |
| Bass | June 16-Apr. 30 | 6 |
| LAKE ERIE DIST. | | |
| Muskellunge | No closed season | |
| Wall-eyed pike | No closed season | |
| Sauger | No closed season | |
| Trout | Apr. 15-Sept. 15 | 6 |
| Bass | July 1-May 24 | 6 |
| **Oklahoma** | | |
| Deer | Nov. 21-25† | 1 |
| Squirrel | May 15-Jan. 1 | 10 |
| Quail | Inter. (Nov.-Jan.) | 10 |
| Pheasant | Dec. 14-16 | 2 |
| Bass | No closed season† | 10 |
| Chan. catfish | No closed season† | 15 |
| Crappie | No closed season† | 15 |
| Trout | No closed season | |
| **Oregon** | | |
| Deer | Not set | *1* |
| Elk | Not set | 1 |
| Antelope | Not set | 1 |
| Squirrel | Not set | 5 |
| Quail | Not set | 5 |
| Blue Sage Hen | Not set | 2 |
| Grouse, other | Not set | 5 |
| Pheasant | Not set | 2 |
| Hun. partridge | Not set | |
| Trout, salmon, steelhead, less than 20" | Apr. 14-Sept. 30 | 10 |
| Bass, black; Perch, crappie, catf., sunf., bream, pike | No closed season | 30 |
| Str. bass, Shad | No closed season | 15 |
| | No closed season | 1 |
| **Pennsylvania** | | |
| Deer, female | No open season | |
| Deer, 2 pt. ant. | Nov. 29-Dec. 11 | 1 |
| Deer, no ant. | Not set | 1 |
| Bear | Nov. 15-20 | 1 |
| Rabbit, Cttl. | Nov 1-27 | 4 |
| Raccoon | Nov. 1-Feb. 1 | |
| Squirrel | Nov. 1-27 | 6 |
| Quail, Bbwbt. | Nov. 1-13 | 4 |
| Grouse, Rfd. | Nov. 1-6 | 2 |
| Pheas'nt,rgnk,m. | Nov. 1-27 | 2 |
| Turkey | Nov. 1-27 † | 1 |
| Partridge, Hun. | Nov. 1-13 | 2 |
| Hare, snshoe | Dec. 20-Jan. 1 | 6 |
| Trout | Apr. 15-July 31† | 10 |
| Trout, lk. or sal. | July 1-Sept. 29 | 8 |
| Bass | July 1-Nov. 30 | 6 |
| Pike-perch | July 1-Nov. 30 | 4 |
| Pickerel | July 1-Nov. 30 | 6 |
| **Penn, (cont.)** | | |
| Yell. pch., rock bass, str. or cal. bass, wh.; crappie, sunf., catf., suckers, carp | No closed season | 15 |
| **Rhode Island** | | |
| Rabbit | Nov. 1-Dec. 31† | 5 |
| Hare | Nov. 1-Dec. 31 | 2 |
| Squirrel | Nov. 1-Dec. 31 | 5 |
| Quail | Nov. 1-Dec. 31 | 6 |
| Grouse | Nov. 1-Dec. 31† | 2 |
| Pheasant | Nov. 1-Dec. 31 ♂ | 3 |
| Bass | June 20-Feb. 20† | 6 |
| Pickerel | June 20-Feb. 20† | 10 |
| Trout | Apr. 15-July 15† | 10 |
| Striped bass | No closed season | |
| Perch, white | Apr. 15-Feb. 20 | 20 |
| Perch, yellow | Apr. 15-Feb. 20 | 30 |
| **South Carolina** | | |
| Deer | Nov. 15-22† ♂ | *1* |
| Rabbit | Nov. 24-Feb. 15 | |
| Squirrel | Oct. 15-Jan. 31 | |
| Quail | Nov. 24-Feb. 15 | |
| Turkey | Nov. 23-Mar. 1 | *5* |
| Trout, speckled | Jan. 1-Oct. 1 | 20 |
| Trout, rainbow | Jan. 1-Oct. 1 | 20 |
| Bass | No closed season† | 8† |
| **South Dakota** | | |
| Deer | Not set | *1* |
| Grouse, prairie chicken | Not set | 3 |
| Pheasant | | 4 |
| Hun. partridge | | |
| Trout | May 1-Sept. 30 | 10 |
| Bass, w.-eyed pike, pickerel | May 1-Feb. 28 | 6 |
| Bluegills | May 1-Feb. 28 | 15 |
| Bullheads, pch. | Apr. 15-Feb. 28 | 50 |
| Crappies, sunf. | May 1-Apr. 1 | 15 |
| **Tennessee** | | |
| Deer | Nov. 20-Dec. 6 ♂† | *1*† |
| Bear | Oct. 16-Nov. 1 | |
| Rabbit | Nov. 25-Jan. 25 | 5 |
| Squirrel | Sept. 30-Jan. 5 | 6 |
| Quail | Nov. 25-Jan. 25 | 8 |
| Grouse | Nov. 25-Jan. 25 | 3 |
| Wild boar | Oct. 16-Nov. 1 | *1*† |
| Trout | Apr. 1-Oct. 1 | 10 |
| Bass | May 30-Mar. 31 | 8 |
| Wall-eyed pike | No closed season | 5 |
| Sauger pike | No closed season | 10 |
| Muskellunge | No closed season | 5 |
| Crappie | No closed season | 15 |
| Rock bass | May 30-Mar. 31 | 10 |
| White, str. bass | No closed season | 15 |
| Yellow bass or jacks | No closed season | 15 |
| Warmouth bass | No closed season | 20 |
| Bluegill bream | No closed season | 20 |
| Catfish | No closed season | |
| Buffalo | No closed season | |
| **Texas** | | |
| Antelope | Oct. 1-9 | 1 |
| Deer | Nov. 16-Dec. 31† ♂ | *2* |
| Bear | Nov. 16-Dec. 31 | *1* |
| Peccary | Nov. 16-Dec. 31 † | *2* |
| Squirrel | Oct. 1-Dec. 31† May 1-July 31† | 10 |
| Quail | Dec. 1-Jan. 16† | 12 |
| Turkey | Nov. 16-Dec. 31† ♂ | *3* |
| Bass, bl., sp'ted | No closed season | 15 |
| White bass | No closed season | 25 |
| Trout | No closed season | 5 |
| Crappie | No closed season | 25 |
| Catfish | No closed season | 25 |
| **Utah** | | |
| Antelope | Not set | |
| Deer | Oct. 20-29 ♂† | *1* |
| Elk (By permit) | | *1* |
| Bison | By permit | |
| Grouse, sage hen, prairie chicken | By permit | |
| Pheasant | Nov. 3-5 | *3*† |
| Quail | | 10 |
| Bass | Apr. 21-Oct. 7 | 15 |
| Trout | Jun. 16-Oct. 7 | 15 |
| Salmon | Jun. 16-Oct. 7 | 15 |

| | | |
|---|---|---|
| **Vermont** | | |
| Deer | Nov. 14-27 ♂† | *1* |
| Squirrel | Oct. 1-Oct. 31 | 4 |
| Rabbit | Oct. 1-Feb. 28 | 3 |
| Quail | No open season | |
| Grouse | Oct. 1-Oct. 31 | 4 |
| Pheasant | No open season | |
| Bear | June 1-Dec. 31 | |
| Trout | May 1-Aug. 14 | 20 |
| Lake trout, salmon | May 1-Aug. 31 | 2 |
| Bass | July 1-Nov. 30 | 5 |
| Muskellunge | June 15-Apr. 14 | 25# |
| Pike-perch | May 1-Mar. 14 | 25# |
| Pickerel | May 1-Mar. 14 | 25# |
| Smelt | June 1-Mar. 31 | |
| **Virginia** | | |
| Deer | Nov. 20-Jan. 5 † ♂ | *1* |
| Bear | Nov. 20-Jan. 5 † | *1* |
| Elk | Closed season | |
| Rabbit | Nov. 20-Jan. 20 † | *75* |
| Squirrel | Nov. 20-Jan. 5 | |
| Quail | Nov. 20 to ?† | *125* |
| Grouse | Nov. 20-Jan. 20 | *15* |
| Pheasant | Nov. 20-Jan. 20 | *20* |
| Turkey | Nov. 20-Jan. 20 | *4* |
| Bass | E. Jun. 1-Mar. 15 | 8 |
| | W. Jun. 1-Dec. 31 | 8 |
| Trout | Apr. 20-Sept. 15 | 8 |
| Pike | W. Same as bass | 20 |
| | E. June 1-Mar. 15 | |
| Crappie | No closed season | |
| Bream | No closed season | 25 |
| **Washington** | | |
| Deer | Local seasons | *1* |
| Bear | E. Oct. 9-30 | *1* |
| Elk | Special seasons | *1* |
| Mt. Goat | Sept. 18-30 | 1 |
| Rabbit | W: Oct. 9-Mar. 31† | 5 |
| | E: Oct. 9-Dec. 31† | |
| Grouse | Sept. 4-5, Oct. 9-10† | 2 |
| Quail | Oct. 9-Nov. 6 | 10 |
| Pheasant | Oct. 9-Nov. 6 | 3 |
| Hungarian partridge | Oct. 9-Nov. 6 | 4 |
| Steelhead | Dec. 1-Feb. 28† | 3 |
| Other game fish | | |
| Lowl'd lakes | E: May 21-Sept. 15 | 20 |
| Gen'l season | W: May 21-Oct. 31 | 20 |
| **West Virginia** | | |
| Deer | Dec. 3-5† | 1 |
| Rabbit | Nov. 10-Jan. 5 | 4 |
| Pheasant | Nov. 10 & 12 | 2 |

| | | |
|---|---|---|
| **W. Virginia (cont.** | | |
| Bear | Nov. 1-24 | 1 |
| Squirrel | Oct. 15-Nov. 17 | 4 |
| Quail | Nov. 10-Dec. 5 | 5 |
| Grouse | Oct. 13-Dec. 31 | 3 |
| Turkey | Oct. 15-Nov. 3 | 4 |
| Trout, rnbw., brown | Apr. 28-Sept. 3 | 10 |
| Trout, brook | Apr. 28-Sept. 3 | 15 |
| Bass | June 16-Mar. 14 | 8 |
| Pickerel | June 30-Apr. 30 | |
| Muskellunge, w. eyed pike | Apr. 28-Mar. 14 | |
| Rk.bass,crapple, sunf., bluegill | Apr. 28-Mar. 14 | 15 |
| Catfish | Apr. 28-Mar. 14 | 10 |
| Perch | Apr. 28-Mar. 14 | 10 |
| **Wisconsin** | | |
| Deer | Not set | *1* |
| Deer (bow & arrow) | Not set | *1* |
| Bear | Not set | |
| Raccoon | Not set | |
| Rabbit | Not set | 3 |
| Squirrel | Not set | 3 |
| Grouse | Not set | 3 |
| Pheasant | Not set | 2 |
| Hun. partridge | Not set | 4 |
| Quail | Not set | 4 |
| Bass, black | Apr. 28-Sept. 7† | 5 |
| Trout | Apr. 1-Sept. 30† | 10 |
| Lake trout | Apr. 15-Sept. 30† | 5 |
| Wall eyed pike, sauger | May 12-Jan. 15 | 5† |
| No. pike, pick'l | May 12-Jan. 15 | 5† |
| Muskellunge | May 25-Nov. 1 | |
| Bass, other | | 25 |
| Catfish | No closed season | 5 |
| Sturgeon | Sept. 5-Oct. 15 | 25 |
| Other panfish | No closed season | 25† |
| **Wyoming** | | |
| Deer | Local season† ♂ | *1* |
| Moose | Local seasons ♂ | *1* |
| Elk | Local season† ♂ | *1* |
| Bear | Local seasons | *1* |
| Sheep | Local seasons† ♂ | *1* |
| Antelope | Local seasons† | *2* |
| Pheasant | Not set | |
| Trout | May 1-Oct. 31† | 20 |
| Grayling | May 1-Oct. 31† | 20 |
| Bass | May 1-Oct. 31† | 20 |

## MIGRATORY BIRD LAWS

DO NOT HUNT ducks, geese, brant, coot, rails, gallinules, woodcock, or mourning dove until you have studied the laws on these birds issued in September, 1952, by the Fish and Wildlife Service, U. S. Dept. of Interior, Chicago 50, Illinois. The 1950 laws forbade the taking of any jacksnipe, Ross geese, or swan, and in some places, wood ducks, brant, snow geese, mourning dove, woodcock, and Canada geese. Daily bag limits have been running: Geese — East 2, Middle 4, Pacific 6; Ducks — East and near East 4, West 6; Wood duck 1; Rails 15; Coot 10 interior, 15 coast, east and west; Woodcock 4; Mergansers 25; Doves and pigeons 10 and Sora, 25. The East has been enjoying special seasons on Scoters and Eider ducks — the West on bandtailed pigeon. Arizona has had a special season on white winged dove. There is no point in trying to list here the very complicated seasons on ducks, geese, etc. They are changed **radically** every year and as a rule shortened. Opening days in 1950, were:

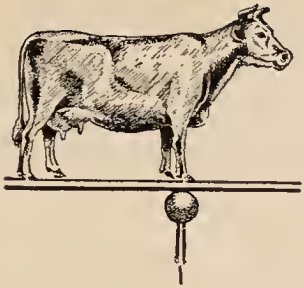
**Ducks, Geese, Coot:** Sept. 1. Alaska; Oct. 6. Me., N. H., Minn.; Oct. 13. Pa., Mich.; Oct. 14. Wisc.; Oct. 20. Mass., N. Y., Vt., W. Va., Ia.; Ohio; Nov. 3. Conn., Del., Ill., Ind., Mo.; Nov. 17. N. J., R. I.; Nov. 27. Fla., Ga., Md., N. C., S. C.; Dec. 1. Ky.; Dec. 2. Ala., Ark., La., Miss., Tenn.

**Rails, Gallinules:** Sept. 1. Md., N. J., R. I., Va., Ark., Ind., La., Mich., Mo., and West; Sept. 15. Ct., Del., Fla., N. H., Pa., Vt., W. Va. Other dates, same as Sora.

**Sora:** Sept. I. Most states; Sept. 15. Fla.; Sept. 16, Minn.; Oct. 1, Ga.; Oct. 2; N. C., S. C.; Oct. 6, Me.; Oct. 13, Mich.; Oct. 14, Wisc.; Oct. 15, Miss.; Oct. 20, Mass., N. Y.; Dec. 2, Ala.

**Mourning Dove:** Oct. 1, Del.; Oct. 2, W. Va.; Oct. 10, Pa.; Oct. 16, Tenn.; Dec. I, La.; Dec. 17, Ala., Fla., Ga.

**Woodcock:** Oct. I, Vt., Me., Mich., Minn., Wisc.; Oct. 8, Ohio; Oct. 9, N. Y.; Oct. 10, Pa.; Oct. 14, W. Va.; Oct. 15, Ind.; Oct. 20, Mass., N. H., N. J.; Oct. 21, Conn.; Nov. I, R. I.; Nov. 10, Mo.; Nov. 15, Del., Md.; Nov. 20, Va.; Dec. 1, Ala., Ark., Miss.; Dec. 12, N. C., S. C.; Dec. 23, Ga., La.



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FIRST NATIONAL STORES

# ANECDOTES & PLEASANTRIES

Mrs. H. C. Taylor of North Andover, Massachusetts, who submitted the following verse states that "according to an old Boston **Transcript** a gentleman of special antiquarian taste had learned it from his grandmother . . . and added he had found it also in a manuscript diary of Revolutionary times in which the diarist told he had heard it recited 'one evening while serving as coast guard at New London, in 1780.' "

*THE ABOMINABLE BEE*

A—There's your a:
B-O, bo—there's your bo, there's your abo:
M-I, mi, there's your mi, there's your bomi, there's your abomi:
N-A, na, there's your na, there's your mina, there's your bomina, there's your abomina;
B-L-E, ble—there's your ble, there's your nable, there's your bominable, there's your abominable:
B-U-M—there's your bum, there's your ble-bum; there's your nable bum, there's your minable bum, there's your bominable bum, there's your abominable bum.
B-L-E, there's your ble, there's your bumble, there's your nable bumble, there's your minable bumble, there's your bominable bumble, there's your abominable bumble:
B-E-E, bee, there's your bee, there's your ble bee, there's your bumble bee, there's your ble bumble bee, there's your bominable bumble bee, there's your abominable bumble bee—with his tail cut off!

The verse was signed by one "Shawshin" and that last line was always recited by some with a peculiar shriek.

*WHO WROTE "CASEY AT THE BAT?"*

Ernest L. Thayer, a comfortable woolen merchant of Worcester, Mass., Ivy Orator of Harvard's class of 1885, wrote "Casey of the Mudville Nine" (its original title) for **The San Francisco Examiner** and it was printed June 3, 1888. The well known actor DeWolf Hopper recited it for ten years up and down the land. Thayer received the great sum of $5.00 for his masterpiece, frankly admitted he found his inspiration for it in W. S. Gilbert's "Bab Ballads" and in Winslow's great Harvard team of 1885. William Randolph Hearst, who served as Treasurer of the Harvard Lampoon while Thayer was President of it, afterwards hired Thayer as a member of the **Examiner** staff. Thus did this verse, dear to the hearts of millions, become conceived from the line of Gilbert, Harvard, Worcester, "Lampy," Worcester, the West Coast, and Hearst. No wonder it took.

*Baseball Magazine, 1908*

*FOR MATHEMATICIANS*

Here is a method of multiplication that is slow, but different. Suppose you want to multiply 23 x 57. Set down 23 at the top of a left-hand column and divide it by 2, throwing out any remainders. Continue dividing until the last number is 1. Then set down 57 at the top of another column, double it, and keep doubling succeeding numbers until there is an equal number of items in left and right columns. Cross out all numbers in right column which are opposite an even number in left column (the 456 in following example). Then add the remaining numbers in right column to get result. Working it out, it looks like this:

| Left | Right | |
|---|---|---|
| 23 | 57 | |
| 11 | 114 | |
| 5 | 228 | |
| 2 | 456 | (cross out any remainder of column) |
| 1 | 912 | |
| The Sum: | 1,311 | |

The Proof

57
x 23

171
114

1,311

We are told that to understand this mathematical oddity, you must be familiar with the binary number system instead of the ordinary denary system. Something you can look into on the next rainy day.

*BELIEVE IN SIGNS?*

There's the sign that read: "Ladies Ready to Wear Clothes." Below it someone had written: "It's about time." And the sign over the little Japanese dressmaking store in Honolulu—"Ladies Have Fits Upstairs."

A large New England hennery

*Continued on page 65*

# *Favorite*
# Banana Recipes
## from famous
# New England Kitchens
## presented by
# *Chiquita Banana*

New England is renowned for its picturesque kitchens and good food. Chiquita Banana presents some of those kitchens and a few of her banana recipes on the following pages.

*Wooden butter molds, often called "one of the few forms of native American art," are used as decorative motifs for these pages.*

**MISS JUANITA GROVES,** Framingham Centre, Mass., purchased her house, built in 1805, because of its gay kitchen. The Swedish motif appealed to Miss Graves who is well known as a commercial designer and artist.

Miss Groves' Favorite Banana Recipe is

## *Banana Trifle*

**4 teaspoons flour**
**¼ cup sugar**
**¼ teaspoon salt**
**2 egg yolks**
**2 cups milk**
**1 teaspoon vanilla**
**2 ripe bananas***
**1½ cups finely broken vanilla wafers**

**Use fully ripe bananas . . . yellow peel flecked with brown*

Mix together flour, sugar and salt in top of double boiler. Add egg yolks and blend. Add milk gradually. Cook over rapidly boiling water about 10 minutes, or until thickened, stirring constantly. Add vanilla. Chill. Just before serving, peel bananas and slice crosswise. Mix lightly with broken wafers. Arrange in serving dishes. Pour chilled custard over each serving.

Garnish with additional ripe banana slices and top with a berry or a small cube of bright-colored jelly or gelatin, if desired. Four to six servings.

**PROFESSOR JASPER J. STAHL** lives in the colonial tradition in the oldest occupied house in the ancient town of Waldoboro, Maine, now well along in the third century of its settlement. Despite his monastic seclusion, his fame as scholar, lecturer and good cook is widespread.

Mr. Stahl's Favorite Banana Recipe is

## *Baked Bananas with Cranberry Sauce*

4 firm bananas*
1½ tablespoons butter or margarine, melted
Salt
¾ cup cranberry sauce

**Use all-yellow or slightly green-tipped bananas*

Peel bananas. Place into a well-greased baking dish. Brush well with butter or margarine and sprinkle lightly with salt. Spread cranberry sauce over bananas. Bake in a moderate oven (375°F.) 15 to 18 minutes, or until bananas are tender . . . easily pierced with a fork. Serve hot with ham, chicken or turkey. Four servings.

**MR. AND MRS. H. THORN KING,** Hancock, New Hampshire, have made a hobby out of restoring their old house, built in 1782. The kitchen, pictured above, is considered one of the loveliest in the area.

Mr. and Mrs. King's Favorite Banana Recipe is

## *Ham Banana Rolls*

### With Cheese Sauce

4 thin slices boiled ham
Prepared mustard
4 firm bananas*
1½ tablespoons butter or margarine, melted
Cheese Sauce

**Use all-yellow or slightly green-tipped bananas*

Spread each slice of ham lightly with mustard. Peel bananas. Wrap a slice of the prepared ham around each banana. Brush tips of bananas with butter or margarine. Place Ham Banana Rolls into a greased shallow baking dish, and pour Cheese Sauce over them. Bake in a moderate oven (350°F.) 30 minutes, or until bananas are tender . . . easily pierced with a fork. Serve hot with the Cheese Sauce from the baking dish. Four servings.

**Cheese Sauce**

1½ tablespoons butter or margarine
1½ tablespoons flour
¾ cup milk
1½ cups grated sharp American cheese

Melt butter or margarine in saucepan; add flour and stir until smooth. Stir in milk slowly. Add cheese and cook, stirring constantly until sauce is smooth and thickened. Makes about 1 cup sauce.

**MR. AND MRS. HENRY BESTON** are photographed in their charming old home, Chimney Farm, at Nobleboro, Maine. Mrs. Beston (Elizabeth Coatsworth) wrote the 1930 Newberry Award book, "The Cat Who Went to Heaven." Mr. Beston wrote "The Outermost House" and "Northern Farm."

Mr. and Mrs. Beston's Favorite Banana Recipe is

## *Banana Angel Pie*

**Dash of salt**
**3 egg whites**
**½ teaspoon cream of tartar**
**5 tablespoons sugar**
**1 baked 9-inch pie shell**
**2 to 3 ripe bananas***
**Nutmeg Whipped Cream**

**Use fully ripe bananas . . . yellow peel flecked with brown*

Add salt to egg whites. Beat with rotary egg beater or electric mixer until foamy throughout. Add cream of tartar and beat until mixture forms soft peaks. Add sugar gradually and continue beating until peaks are stiff enough to hold their shape.

Spread mixture evenly over bottom and sides of pie shell. Bake in a moderate oven (350°F.) about 15 minutes . . . until entire surface is golden brown. Cool. Filling will shrink slightly as it cools. Peel and slice bananas. Arrange on filling. Cover banana slices immediately with Nutmeg Whipped Cream. Makes 1 pie.

*Nutmeg Whipped Cream:* To 1 cup heavy cream add ¼ cup confectioners' sugar, 1 teaspoon ground nutmeg, dash of salt and 2 teaspoons vanilla. Whip cream until thick enough to hold its shape.

**MRS. CARLETON HOWE,** pictured in the kitchen of her home ot Pawlet, Vermont, is known os the chompion hay baler of the state. Her senotor husband is the lorgest producer af apples in New England.

Mrs. Howe's Favorite Banana Recipe is

## *Apple Banana Scallop*

**3 firm apples**
**3 firm bananas***
**¼ cup granulated sugar**
**¼ teaspoon cinnamon**
**¼ teaspoon nutmeg**
**1 teaspoon lemon rind**
**⅔ cup coarse graham cracker crumbs**
**¼ cup firmly packed brown sugar**
**2 tablespoons butter or margarine**
**¼ cup chopped nuts**

**Use all-yellow bananas*

Wash, core, pare and slice apples. Peel bananas and cut into slices about ¼ inch thick. Mix together granulated sugar, cinnamon, nutmeg and lemon rind. Place alternate layers of apples and bananas into a well-greased shallow baking dish, sprinkling each layer with the sugar and spice mixture. Blend graham cracker crumbs, brown sugar and butter or margarine. Fold in nuts. Sprinkle on top of fruit mixture. Bake in a moderate oven (375°F.) 30 to 40 minutes or until apples and bananas are tender . . . easily pierced with a fork. Serve hot with hard sauce, cream or sweetened whipped cream. Four to six servings.

**MR. AND MRS. PERRY V. GREENE,** Waldoboro, Maine, are shown in the kitchen of their home, which Mr. Greene designed and built. Mr. Greene is the retired champion woodchopper of the world. He is the only man in the world to raise Chinook dogs. Thirteen of these dogs went to the South Pole with Admiral Byrd's first expedition.

Mr. and Mrs. Greene's Favorite Banana Recipe is

## *Banana Doughnuts*

**5 cups sifted flour**
**4 teaspoons baking powder**
**1 teaspoon baking soda**
**2 teaspoons salt**
**1 teaspoon nutmeg**
**¼ cup shortening**
**1 cup sugar**
**3 eggs, well-beaten**
**¾ cup mashed ripe bananas* (about 2 bananas)**
**½ cup sour milk or buttermilk**
**1½ teaspoons vanilla**
**½ cup flour for rolling**
**Melted fat or salad oil**

**Use fully ripe or all-yellow bananas*

Sift together flour, baking powder, soda, salt and nutmeg. Beat shortening until creamy in large mixing bowl. Add sugar gradually and continue beating until light and fluffy. Add eggs and beat well. Combine bananas, milk and vanilla. Add to creamed mixture and blend. Add flour mixture and mix until smooth. Turn dough onto a floured board, a small amount at a time. Knead very lightly. Roll with a floured rolling pin about ⅜ inch thick. Cut with floured 2½-inch doughnut cutter.

Heat fat to 375°F., or until a 1-inch cube of bread will brown in about 40 seconds. Slip doughnuts into fat with spatula. Fry about 3 minutes or until golden brown, turning them frequently to brown evenly. Drain on absorbent paper. Makes about 3½ dozen doughnuts.

**MRS. FLORA E. REILLY** of Londonderry, Vermont, has lived for fifty-five years in her two-hundred-year-old hillside farmhouse. She is shown making butter in the old-fashioned type of wooden churn.

Mrs. Reilly's Favorite Banana Recipe is

## *Banana Pancakes*

**1½ cups sifted flour**
**3½ teaspoons baking powder**
**¾ teaspoon salt**
**1 tablespoon sugar**
**1 egg, unbeaten**
**1½ cups milk**
**3 tablespoons melted shortening or salad oil**
**1 cup finely diced ripe bananas* (1 to 2 bananas)**

**Use fully ripe bananas . . . yellow peel flecked with brown*

Sift together flour, baking powder, salt and sugar into mixing bowl. Beat egg, stir in milk and shortening or salad oil. Add egg mixture to flour mixture. Stir only enough to dampen all flour. Fold in bananas lightly. Bake on hot griddle, allowing ¼ cup batter for each pancake. When bubbles form on surface and edges are firm, turn and brown on other side. Serve hot with butter and maple syrup, honey or preserves.

Makes 12 medium-sized pancakes.

**A. HAROLD KENDALL,** Surrey, New Hampshire, first saw his lovely old house while touring New Hampshire. He was so delighted with the house, the first home built in Surrey in 1764, he purchased it and, since retiring from business, has spent his time restoring it. The wide pine panels and unusual fireplace make the kitchen distinctive.

Mr. Kendall's Favorite Banana Recipe is

## *Banana Waldorf Salad*

**1 large red apple, unpeeled**
**½ cup diced celery**
**½ cup mayonnaise or salad dressing**
**2 ripe bananas***
**Lettuce**
**¼ to ½ cup walnut or pecan halves**
**Salad greens for garnish**

**Use fully ripe bananas . . . yellow peel flecked with brown*

Wash apple and remove core. Dice into medium-sized pieces. Combine apple, celery and mayonnaise or salad dressing. Peel bananas and slice crosswise into pieces about ¼ inch thick. Add lightly to apple mixture. Combine 2 or 3 crisp lettuce leaves to form a cup and arrange on each salad plate. Fill lettuce cup with salad mixture. Garnish salad with nuts and crisp salad greens. Four to six servings.

*Important:* This salad, to be at its best, should be made not longer than 1 hour before serving.

**MR. AND MRS. THEODORE STURTEVANT,** Middletown, Rhode Island, live in a house with a sweeping view of the Atlantic Ocean. Family life centers in the kitchen, with its wide paneling, early American hardware and stainless steel range.

Mr. and Mrs. Sturtevant's
Favorite Banana Recipe is

## *Banana Fritters*

**Melted fat or salad oil**
**2 to 3 firm bananas***
**¼ cup flour**
**Fritter Batter**

**Use all-yellow bananas*

*To deep-fry*, have deep kettle ½ to ⅔ full of melted fat or oil. *To shallow-fry*, have 1½ to 2 inches of melted fat or oil in frying pan. Heat fat to 375°F., or until a 1-inch cube of bread will brown in about 40 seconds. Peel bananas and cut each crosswise into 3 or 4 diagonal pieces. Roll in flour. Dip into fritter batter, completely coating the banana pieces with the batter. Deep-fry or shallow-fry in the hot fat about 6 minutes, or until well-browned. Turn fritters frequently to brown evenly. Drain on a rack. Serve hot with the main course . . . or serve as a dessert with a hot fruit sauce, syrup or sweetened whipped cream. Makes 6 to 12 fritters.

### *Fritter Batter*

**1 cup sifted flour**
**2 teaspoons baking powder**
**1¼ teaspoons salt**
**¼ cup sugar**
**1 egg, well-beaten**
**⅓ cup milk**
**2 teaspoons melted shortening**

Sift together flour, baking powder, salt and sugar into mixing bowl. Combine egg, milk and shortening. Add to dry ingredients and mix until batter is smooth.

*Important:* Have fat at correct temperature (375°F.) before frying. This is a stiff batter and it makes a crisp fritter which will stay crisp for 15 to 20 minutes. This batter should not be "thinned down."

**ROY S. HAGGARD**, Mystic, Conn., designed this kitchen with an eye to making it an efficient, practical working area as well as a picturesque spot. The house is built overlooking the bay and there is a view of the countryside or the water from every window.

Mr. Haggard's Favorite Banana Recipe is

## *Banana Butterscotch Pie*

**¾ cup firmly packed brown sugar**
**5 tablespoons flour**
**½ teaspoon salt**
**2 cups milk**
**2 egg yolks, slightly beaten**
**2 tablespoons butter or margarine**
**½ teaspoon vanilla**
**1 baked 9-inch pie shell**
**3 ripe bananas***

**Use fully ripe bananas . . . yellow peel flecked with brown*

Combine sugar, flour and salt in top of double boiler. Add milk slowly, mixing thoroughly. Cook over rapidly boiling water until well-thickened, stirring constantly. Cook 10 minutes longer, stirring occasionally. Stir small amount of hot mixture into egg yolks; then pour back into remaining hot mixture while beating vigorously. Cook 1 minute longer. Remove from heat and add butter or margarine and vanilla. Cool. Cover bottom of pie shell with small amount of cooled filling. Peel bananas and slice into pie shell. Cover immediately with remaining filling. Top with meringue or sweetened whipped cream. Makes 1 pie.

**MRS. LAWRENCE J. REARDON** is very proud of her old wheelwright's house, the first home built in Millis, Mass., in 1681. When the house was built, Millis was called East Medway. Surrounding the fireplace, photographed above, are many family heirlooms.

Mrs. Reardon's Favorite Banana Recipe is

## *Banana Shortcake*

**Use fully ripe bananas . . . yellow peel flecked with brown*

Split homemade or baker's gingerbread, cake, cupcakes or biscuits into 2 layers. Place whipped cream and sliced ripe bananas between layers and on top. Garnish with a cherry, if desired. Just before serving, peel and slice additional bananas and arrange them around the base of the Banana Shortcake, if desired.

**MR. AND MRS. PAUL W. BITTINGER,** Plymouth, Moss., live in a house built in 1750. The original owners are said to have been the inspiration for Alfred Tennyson's poem "Enoch Arden." The cupboard doors and paneling are made of church-pew doors and the post in the foreground is a mast from a ship.

Mr. and Mrs. Bittinger's Favorite Banana Recipe is

## *Holiday Banana Tea Bread*

- 1¾ cups sifted flour
- 2 teaspoons baking powder
- ¼ teaspoon baking soda
- ½ teaspoon salt
- ⅓ cup shortening
- ⅔ cup sugar
- 2 eggs, well-beaten
- 1 cup mashed ripe bananas* (2 to 3 bananas)
- ½ cup walnuts or pecans, broken
- ¼ cup (2 oz.) finely cut, candied pineapple
- ¼ cup (2 oz.) finely cut, candied cherries
- ¼ cup (2 oz.) thinly sliced citron
- ¼ cup (2 oz.) finely cut, candied orange peel
- ¼ cup raisins

**Use either fully ripe or all-yellow bananas*

Sift together flour, baking powder, soda and salt. Beat shortening until creamy in mixing bowl. Add sugar gradually to shortening and continue beating until light and fluffy. Add eggs and beat well. Add flour mixture alternately with bananas, a small amount at a time, beating after each addition until smooth. Add nuts, pineapple, cherries, citron, orange peel and raisins, stirring only enough to mix evenly. Turn into a well-greased bread pan (8½ x 4½ x 3 inches) and bake in a moderate oven (350°F.) about 1 hour 10 minutes or until bread is done. Makes 1 loaf.

**MRS. BENJAMIN H. SLADE,** Kingston, Rhode Island, lives in "Indian Acres," one of the oldest houses in South County, built in 1705. When the house was reconstructed, all of the original features including the fireplaces, exposed beams and wide floorboards were retained.

Mrs. Slade's Favorite Banana Recipe is

## *Banana Oatmeal Cookies*

| | |
|---|---|
| 1½ cups sifted flour | ¾ cup shortening |
| 1 cup sugar | 1 egg, well-beaten |
| ½ teaspoon baking soda | 1 cup mashed ripe bananas* (2 to 3 bananas) |
| 1 teaspoon salt | 1¾ cups rolled quick oats |
| ¼ teaspoon nutmeg | ½ cup chopped nuts |
| ¾ teaspoon cinnamon | |

**Use fully ripe bananas . . . yellow peel flecked with brown*

Sift together flour, sugar, soda, salt, nutmeg and cinnamon into mixing bowl. Cut in shortening. Add egg, bananas, rolled oats and nuts. Beat until thoroughly blended. Drop by teaspoonfuls, about 1½ inches apart, onto ungreased cookie pans. Bake in a moderately hot oven (400°F.) about 15 minutes, or until cookies are done. Remove from pan immediately. Makes about 3½ dozen cookies.

**MR. AND MRS. STEPHEN BAGNALL** live in a sixty-year-old home at Noank, Connecticut. Mr. Bagnall is a retired fishermon. When Dr. Roger N. Ryley, well-known doctor of Mystic, Conn., was asked what kitchen he thought most interesting (and he has been in thousands), he chose this one.

Mr. and Mrs. Bagnall's Favorite Banana Recipe is

## *Banana Bran Muffins*

**1 cup sifted flour**
**¾ teaspoon baking soda**
**½ teaspoon salt**
**¼ cup sugar**
**1 cup bran**
**1 egg, well-beaten**
**2 tablespoons sour milk or buttermilk**
**2 tablespoons melted shortening or salad oil**
**2 cups thinly sliced ripe bananas* (3 to 4 bananas)**

**Use fully ripe or all-yellow bananas*

Sift together flour, soda, salt and sugar into mixing bowl. Add bran and mix well. Combine egg, milk, shortening or salad oil and bananas. Add to dry ingredients, mixing only enough to dampen all flour. Turn into well greased muffin pans. Bake in a moderate oven (375°F.) 30 to 35 minutes, or until muffins are done. Makes 8 large or 16 small muffins.

**CHIQUITA BANANA** hopes you have enjoyed seeing pictures of these historical kitchens and that you will enjoy her famous recipes.

The kitchens on the preceding pages were selected and photographed by Kosti Rudhomas, who traveled all over New England to find them.

## RECIPE BOOK FREE . . .

For a copy of Chiquita Banana's beautifully illustrated recipe book (one of the few in which all pictures are in full color) try any one of the recipes on the preceding pages. Tell us on a postcard or in a letter how you liked the recipe, and we will send you your *free* copy of this cook book with its many tempting recipes.

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*Continued from page 48*

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### *UNEARTH A KINDNESS*

Unearth a kindness and you find
Something more than a cultured mind.
Learning is good, but less than kin
To the homely soil kind hearts grow in.

*S. Omar Barker*

### *BIG DIAMOND*

The so-called Jonker Diamond discovered in South Africa, and said to be the largest diamond in the world (almost as big as a hen's egg and worth about three-quarters of a million dollars) was on exhibition in Boston a few years back. Believe it or not, it was shipped to this country in an ordinary registered mail wrapping box, stamped with 64 ceuts worth of postage.

### *AS USUAL*

"How did you get along with your wife in that argument?"

"Oh, she came crawling to me on her knees."

"Yeah? What did she say?"

"She called me a coward and dared me to come out from under the bed."

### *WORDS OF WISDOM*

A widowed mother had raised five very successful sons and was given a recognition banquet by her home town folks. In introducing her for the presentation, the toastmaster suggested she explain her secret of raising five fine, industrious sons.

The proud woman stood up and said: "Mr. Toastmaster, the secret lies in an occasional pat on the back. It gets positive results if administered young enough, often enough, and low enough."

### *NAMES AND PLACES*

Up in Kennebec County in Maine there is a wonderfully peaceful sound to the names of many of the towns—Harmony, Freedom, Liberty, Unity, Hope. Behind each, of course, there is a story. Of course Maine has no monopoly on such names—in Rhode Island we have Harmony and Liberty and Hope and in the Narragansett Bay Islands there are Prudence, Patience and Hope, not to mention the cheerless name of Despair.

But a glance through a gazetteer is proof of the multiplicity of cheerful names. A study in optimism might be devised to show how the undying spirit of courage overspreads the American map. We pause at the thought that there are no less than fourteen Hopes in the United States.

### *SPEED OF SOUND*

Josh Billings was once asked, "How fast does sound travel?" His idea was that it depends a good deal upon the noise you are talking about. "The sound of a dinner horn, for instance, travels half a mile in a second, while an invitation tew get up in the morning I have known to be three quarters of an hour going tew pairs of stairs, and then not hev strength enuff tew be heard."

### *'CON GAME*

When the farmer asked for a $1,000 loan, the banker told him, "It's all right, George, you can have the money but on unsecured loans we have a rule that requires the note to be endorsed. Suppose you get your neighbor, Henry, to endorse your note."

That sounded okay to George, so he propositioned his neighbor, a respectable and solid farmer. "Aw, shucks, George," the neighbor replied with a twinkle in his eye. "Let's keep this business among us farmers. You go tell that banker that if he'll endorse your note, I'll lend you the money myself."

*The Furrow*

### *LANGUAGE OF THE VINEYARDER*

The native of Martha's Vineyard, the "forty-ninth state" or "the other republic" off the New England coast, known as a Vineyarder, has a language all his own. He "turns out" in the dawn, "gets under way," "makes sail" or "lays a course" through morning haze.

Although his business be confined to things of the land, you always find his talk is of the sea; "a southerly begins to blow," it "heaves down" corn, and "springs" his apple trees.

The Vineyarder plants "on a lay," he works to "looward" when pitching hay, and always, as with craft, in any job that is being done he works and travels "with the sun" and plows fields "fore and aft."

When he drives his car out, he leaves the slip like a harbor tug or sailing ship; he "puts his hellum down" to "clear the bulkheads." *The Vineyard Gazette*

# LATEST DEVELOPMENTS IN AGRICULTURAL SCIENCE

*(Courtesy, United States Department of Agriculture)*

## SPRAYS

With copper now on the limited use list, the agricultural world is on the lookout for ways and means of getting along without it. One successful example of this is the use of the Kennebec variety of potato which has, in addition to characters of high yield, cooking quality, and wide geographic adaptability, that rare factor of high resistance to late blight. As about 20 million pounds of copper are used in spraying other potato varieties against late blight, it will be seen that if farmers adopted this Kennebec variety the copper saving would be considerable.

Cheese makers are having trouble making cheese nowadays because the "starters" formerly used successfully are being chemically upset by the presence of a certain amount of the penicillin which finds its way into modern milk from cows which have been treated with that drug for mastitis. The scientists are hard at work on the problem.

Clear Lake, two hours drive north of San Francisco has been entirely cleared of gnats through the use of applications of TDE. No harmful effects to fish were noted. Hundreds of tons of these gnats were produced on this lake each year. This TDE should be looked into by the Maine and Canadian fishing resorts where we are told the black flies really do hold back business.

Seventy-five pounds of cyanamid, 1 pound wetting agent, and 150 gallons water, put on in the forenoon of a bright warm day will kill out, within 48 hours, all of the weeds and annual grasses in your asparagus bed. The spray tank should be well agitated during application, and the openings in the nozzle kept large enough by removing the screen from the nozzle and putting it on the intake end of the hose. Start of the vegetative top growth may be blackened a bit by the spray deposit but this is said not to be injurious.

DDT is rated as the outstanding scientific contribution of our time. Malaria at one time caused the death of over 3 million people a year. Now, DDT has it in full retreat. The same may be said of the typhus bearing mosquito.

Regardless of these outstanding developments in sprays, the USDA concludes that the backyard gardener should still stick to the hoe rather than the spray gun for his and her weeding. Seems that a really safe garden weed killer is probably on the way but as yet is not here. These spraying innovations are being used for the most part on large acreages where labor expense is high and the sprays are adapted to control over single crops. Seems that in the small garden a weed killing chemical will at the present time be harmful to certain vegetables whereas to others it would not be.

## TREES

Cut firewood when tree limbs are bare and do this under "low-grading" or good forest management. High value timber woods such as walnut, white oak, maple, and choice softwoods should be left standing while the crooked, injured, deformed, decayed and heavy fuel woods like long leaf pine, oak, beech, rock elm, hard maple, black locust, and sweet birch are removed. A cord of these heavy woods is equal to about a ton of coal.

The idea of a living Christmas tree is meeting with favor in many families. These can be purchased in tubs at dealers' supply houses, kept watered while used at Christmas time—and then transplanted later outdoors as an ornament to the home grounds. One good idea is to dig your hole for this tree before the ground freezes—then in January dump the tree in, earth and all, for its long winter snooze. The gradation each year brought about by the size of the trees when planned in the right place have a pleasing effect.

Vegetable tanning, used for the curing of leather, is being imported now from abroad. Domestic supply is only about a third large enough

to supply the demand. This tanning comes from chestnut tree bark—and also from hemlock bark. Chestnut extract is now becoming very scarce so that hemlock remains about the last source. A ton of bark is obtained from 1500 to 2000 board feet of hemlock. It has to be properly cured of course and is better made when peeled directly from the tree after cutting. The peeled logs can be sold for railroad ties, mine props, and paper pulp.

Woodwastes, such as sawdust, are the subject of real inquiry these days. Some uses are found for these in the manufacture of wall board, etc. For farm use, as mulch, etc., it has been found that sawdust does no actual harm but is of no practical use unless commercial fertilizer is added to make up for the nitrogen deficiency in the sawdust. However, the nitrogen balance is difficult to maintain thereafter. After proper composting or weathering, this nitrogen deficiency is not as great. The addition of phosphorous is also advisable. Chief agricultural use of sawdust now seems to be for the improvement of soil textures rather than soil quality.

Tree planting by machinery has progressed remarkably fast since the few dozen introductory machines appeared in 1944. They are being used most successfully where the land is not mountainous or rocky. These machines will plant not only trees but multiflora roses, sweet potatoes, mint roots, kudzu crowns, tomato, and pimento plants. They will plant 8000 to 10,000 seedlings a day and show a saving of $10 to $20 per thousand seedlings over hand planting. Communities, groups, and organizations are finding the purchase of one of these machines for use of many within the group advantageous.

There are now, for the first time in history, fewer than five million horses and two million mules in the U.S.A. The number dropped about 7% last year and the decline is continuing. The price per head is also declining—and at this writing is at $43.40 per head for a horse and $82 for a mule. The answer is of course that farmers have turned from hay burners to tractors.

## BUGS and BLIGHTS

Radioactive phosphorous from the Oak Ridge Laboratory of the Atomic Energy Commission is now being introduced into the bodies of laboratory reared flies and mosquitoes. The "tagged" insects are then released—then trapped again in all directions and up to 12 miles distant. Doesn't hurt the insects any but serves as a valuable help in the study of same for pest control and health purposes.

Entomologists are worried about the winter hiding places of lady-beetles, or to you, the lady bug. Seems these little fellows are an extremely valuable adjunct to the rural community as scavengers of aphids and plant lice. Anyone knowing of their winter caches, please advise L. P. Rockwood, retired entomologist of the USDA. For our own part we have always considered the finding of a lady bug on our sleeve a piece of luck and have felt friendly disposed to the little fellows. Haven't a notion where they live but they are not uncommon visitors in our house—even in winter. Rockwood says they live together in huge hordes.

## MISCELLANY

Raw maple sap as gathered from maple sugar trees has no flavor. While the sap boils certain chemical changes take place which cause the maple flavor. All these reactions are not yet fully understood. At least 7 organic acids have been identified, and several other components have been isolated awaiting identification. These experiments may lead to the discovery of valuable chemical by-products . . . and have already brought about at least one important improvement in processing.

This is no April Fool story even though it was first released April 1, 1951: a 5 day embryo calf was transplanted successfully from one cow to another by scientists at the University of Wisconsin. Primary mother of the calf was slaughtered as they took from her an embryo of only 8 cells. It was transplanted to a corresponding position in the second cow that had been brought to the same stage of the reproductive cycle. The second mother bore the calf at the usual time and it seems to have the same color patterns and hereditary qualities as the first mother and sire that furnished the insemination

fluid. Blood tests give the same answer. There is no immediate practical application of this experiment but it may help solve some of the problems of infertility in cattle.

The orchard bee is an invaluable help in the pollenization of the apple. In some years when the weather is too cold for the bees to work, disastrous effects are felt in the subsequent crop. But this may never have to happen again as a way has now been found to collect part of the load of pollen the bee brings back to the hive, pack it in dry ice, and spread it by hand the following Spring.

### ANIMALS ARE USEFUL WEEDERS

Why break your back when you can use your animals to do the weeding for you. For instance, in a strawberry bed's first year just fence in a few geese with the plants. They'll eat the grasses, etc., and leave the plants alone and gain weight to boot. The next year when the berries start to bear, transfer the geese to your new plants. Sheep will control Johnson grass, turkeys will kill tobacco worms, goats like shrubby weeds.


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The highest part which was ascending being more subtile and thin was seen as a smoking dragon's neck. In similar fashion the air pressures formed the belly and tail so that a whole dragon appeared to be flying through the air, turning to and fro. Some people fancied it as the Devil itself.

Later on, in 1793, in a Statistical Account prepared for the Parish of Machar (Aberdeen), Scotland, is written:

" 'In the end of November and beginning of December last (1792) many of the country people observed very uncommon phenomena in the air (which they call Dragons) of a fiery red colour, appearing in the North, and flying rapidly towards the East, from which they concluded, and their conjectures were right, a course of loud winds and boisterous weather would follow.' "

Earlier, in 1664. *The Husbandsmen's Practice*, another English book, reports "that a kind of fiery meteors in the air were called 'Burning Dragons.' "

Gibbon's *Decline and Fall* (1788) speaking of the times of King Arthur, mentions "flying dragons" as "simple fictions."

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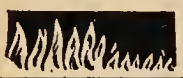

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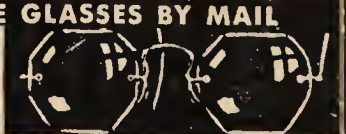

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### Salt Water Fishing

Along the coast of Southern New England, natives have learned when to look for certain kinds of fish and which baits are best used. By transposing their dates into your seasons, these hints will be useful in more northerly and southerly locations as well.

**Pollock**

These appear during May and June. Use feather lures for surface catch, squid on the bottom.

**Mackerel**

Look for these in May. Catch on small lead squid, without bait.

**Sea Bass**

Arrive in May for the summer. Caught with squid or clams—in September, especially, try a troll close to a rocky shore. The large humpbacks are offshore during June.

**Fluke**

June and July . . . like squid or the white side of a flounder.

**Sea Porgies**

June through November. Run large in size, like clams. Fish close to shore towards Fall.

**Swordfish & Sailfish**

July is best for these and whole mackerel or squid makes good bait when sharks are not around. Feather lures are good at all times. The Broadbill Swordfish comes in August.

**Tunafish**

These come in August—troll with short line (40 feet) and feather lure.

**Bluefish**

Late September and October. Use long line, feather lure, and blood worms inshore in September—with spinner. Later, change to lead squid and feather lures.

**Codfish**

Late October and all winter . . . as well as early Spring. Take these with rod and reel. So called "jigging" for them is preferred by some. This is to jiggle up and down near the bottom a combination of three or more unbaited hooks. Codfish cheeks make a rare table delicacy.

The above information was furnished in part by the Southern New England Fisherman's Association of New London, Conn., some years ago. We take it the fish haven't changed their habits of travel and feeding much since.

**Welsh Discovered U.S.**

Legend has it that one Madoc, son of Owain Cwynedd, of North Wales discovered America in 1120. He went back to Wales, and afterwards with some followers made a second trip, and was never heard of again.

The legend might be disregarded were it not for Humphrey Lloyd's retelling of it in 1548 and an addition to it in the next century. One Morgan Jones said that in the summer of 1669 in what is now South Carolina, he and 5 companions were captured by Indians. As he and his friends were about to be slaughtered he muttered some words in Welsh. These Indians understood him and set them all free.

In September, 1792, a young Methodist minister, from Wales, John Evans, set out to find the Welsh Indians. From Baltimore, he went to the Ohio River—thence to St. Louis, where the then Spanish Governor put him in jail.

In 1795 he was allowed to proceed on condition he trace the Missouri to its source—find a gap to the Pacific.

The Sioux Indians forced his return from that project but he travelled in 1795 and 1796 almost the whole length of the Missouri River to the Canadian border. He found no Welsh Indians and died of fever before the turn of the century.

Much as the Welsh would like to believe they discovered America, they admit all the evidence is to the contrary and continue to allow Columbus his rightful honor in this.

However, they do take the credit for being the first to explore the upper reaches of the Missouri through this minister, John Evans.

W. Vaughn, of Cedrwydd, Bont Newydd, Caernarvon, Wales, volunteered the foregoing information.


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### The Last Great War

"'There will never be another great war. By 'great war' I mean a war between civilised nations lasting more than thirty days.'"

This declaratiou was made to Mr. Chauncy M'Govern on May 24, 1899 by Thomas A. Edison during an interview which was subsequently reported in *The New Voice*.

"'The one sure thing,' Mr. Edison continued, 'that is going to make war a permanent relic of the past is electricity.'

". . . 'the war apparatus which the electricians would turn out would make the war so terribly destructive of lives and property . . . each of the warring nations would rush to declare peace.'"

Some of the Inventions which Mr. Edison foresaw which would outlaw war were an electrically propelled torpedo, warships run by electricity instead of steam, telephone, radar (which he called the "electric searchlight"), electric flying machines, a gun which shoots electricity in place of dynamite, an electric sword carried by foot soldiers, forts defended by rows of high voltage wires, wireless telegraphy, electric motors in place of cavalry.

The climax in the use and development of electricity, however, was not to be reached with the end of war. As soon as someone perfected apparatus which would generate electricity so cheaply that it drove steam out of the market, there would be a "complete revolution in the commerce of the world."

The concluding paragraph of the interview reads as follows:

"'The day is coming when we all will use electricity for almost everything in the home—sweeping the carpets, winding the clocks, rocking the cradle. And then—'with a twinkle in his eye'—electricity will rule the world; for isn't it true that *the hand that rocks the cradle is the hand that rules the world.*'"

The editor of *The New Voice* (a weekly published by Funk & Wagnalls) took issue with Mr. Edison on the editorial page. His dim view was that "As long as men are torn by passion, animated by selfishness, swayed by avarice and lust, embittered by envy, haunted by ambition, so long will there be strife, deceit, violence, and crime.'

'Is the vision of universal peace one that can ever be realized?' he asked.

And answered: 'We do not see in either Christianity or science any clear assurance of lasting peace, except that inward peace *that passeth understanding* and which alone the Gospel of Christ seems to promise us this side of the millennium."

# YOUR FEET MAY BE YOUR BEST THERMOMETERS

(Being in part direct quotation, in part paraphrase, and in part induction, reprinted by permission of the publishers from Dr. Rudolf Geiger's "The Climate Near the Ground": Harvard University Press, Cambridge, Massachusetts, for the Blue Hill Meteorological Observatory.)

How many of us have run to the garden come the first real frost of Fall to cover the tomatoes from the harmful danger of the frost—with the thought in mind that we were protecting the garden from Jack Frost's descent from above? What we actually did however, if we saved our garden was to build shelters around our plants which kept in the heat from the soil. A weeded potato patch, for example, has been known to suffer frost damage on a given night when a neighboring unweeded one came through unharmed.

Why is it we find the Mayflower in blossom down underneath the forest mulch floor long before the trees which shelter this floor have budded? Because that mulch floor is a wonderful insulation against loss of the heat coming up out of the soil and trying to find its way back to space.

Dig a well and a few tens of feet down you will find that soil temperature is actually warmest in January which we, with our heads five or six feet above ground, are finding coldest. Again, in May or June, we find this depth of ground coldest of all the year at a time when the black flies and we have abandoned all thoughts of winter.

Cold feet—warm heart—there never was a truer expression; unless it be that of its corollary: warm heart, cold feet. Our heads and hearts, for the most part, live in climates different from the habitats of our feet. But give us the warm feet every time for it is down by them we must look for the growing things to come.

In last year's ALMANAC, we set forth that the ancients were not far off in their measure of the year in forty day intervals (forty days of rain after St. Swithun's Day, forty days of Lent, forty days for Noah's great flood, forty days of Spring with the Pleiades overhead, et al). The seasons, in fact, are far more easily counted as nine subdivisions, than as four. Our reasoning came to roost with the conclusion that there apparently was about forty days lag between the "approach and departure" of the sun, and the seen effects on the earth's climate of this coming and going.

The main "why" of this lag, after reading Dr. Geiger's excellent book (see sub-title of this article), now becomes apparent to us.

Page 29. "Th. Homen, the Finnish pioneer in microclimatological observations, carried on a series of measurements at Wakkarias in 1893 dealing with the temperature march at various depths within the soil. They are so valuable even today that we have chosen from them the first example of the variation of soil temperature with time. . . . The isotherms penetrating downward toward the right indicate the lag of the diurnal temperature cycle. . . . Even at 5 cm. below the surface the day's extreme reading is already lagging by two hours;"

Two hours is about 8% of the 24 hour day; 40 days is about 11 per cent of the year. If we choose to adopt Th. Homen's findings to our purposes of "lag," and we deepen Dr. Geiger's "5 cm." to 1 m., we will undoubtedly find a nearly perfect correlation.

Reading Dr. Geiger's book further (now on page 32), we find a yearly measure of soil temperatures quoted from findings by Schmidt and Leyst at Konigsberg during the years 1873–77 and 1879–86.

"The extraordinary regularity with which the heat movement in the soil proceeds is so great that the curves appear to have been plotted theoretically. At only 7 m. below the surface, summer is the coldest season and winter the warmest."

How's that again? From the chart which accompanies the Schmidt and Leyst findings, again it is not difficult to interpolate (for our

lay purposes) this ten per cent lag between the sun's position and ground temperatures. And the same may be said from other estimates here and there in "The Climate Near the Ground."

Gradually, the earth, in this picture painted for us by Dr. Geiger, becomes taker, then bank, then giver-backer of the sun's heat and in these roles is important in weather circles.

Heat from the sun radiates by waves, long and short, into and out of the ground. The penetration of the heat from these waves into the ground and the length of time it remains therein is determined by the nature of the soil, the angle the latter makes with sun and sky, vegetation, forestation, etc.

The surface and the atmosphere heat and cool so slowly that it is not till a month or more after the sun has passed the solstice that they have changed in temperature enough to lose heat at the same rate the sun is supplying it. At the winter solstice the summer's surplus is still maintaining a temperature higher than that which the current solar radiation could make. At the summer solstice the winter's heat deficit is still far from being made up.

This sun heat penetrates deeply into water, less so into granite and sand, still less into moss and snow, and hardly at all through leaf litter. The surface of black paper or enamel will reach a far higher temperature in summer than will a white or polished or aluminum one.

Virgin forest areas receive more rain, have higher humidity, and lower temperatures than their surroundings. The most extreme instance cited by Dr. Geiger, from a short period of observations on the Ituri, a tributary of the Congo River, showed 30% more rain, 15% higher humidity, and about 5 degrees lower temperature in the forest than outside of it.

"Snow saves the seeds" has been remarked by farmers for centuries—based on scientific fact perhaps undreamed of by many of them—the fact that five hours after a snowfall a ground thermometer may be nearly ten degrees warmer than an air thermometer just above the snow.

We have said ground temperatures are important in weather circles; perhaps not of major importance, but important. At the ground, lake, or ocean surface, some fifty to sixty per cent of the sun's heat has found its way through clouds and dust and other hindrances to penetration points through which these percentages will be stored in small or large degree, for short or relatively long periods, from which storage places this absorbed heat will again return to space . . . in due season. This exchange makes for hot and cold layers of atmosphere from the ground up—and from these come hot and cold air masses as large as continents. Then in some miraculous (to us at least) fashion, whether we like it or not, these different temperatured air masses, producing storms, come into conflict with one another. Hurricanes arrive from the tropics with warm air in exchange for the cooling Fall atmosphere of the North; great masses of cold dense air sweep from the North to supplant warm surpluses in the South. The interaction may make blizzards when the cold air masses are deep and powerful or ice storms when shallow and weak.

The John Does (Mr. and Mrs.) probably have not given sufficient attention to these many facts of man's climate being made in important measure beneath the ground. They have not adapted their costumes to it. Who has ever considered, for example, a skirt (except when it was over a hot air radiator) a heat catcher or as (when the ground is cooling off) the coldest costume man or woman could devise? They have not managed to face their houses or buildings or gardens in the warmest of slope directions (Southwest until June, Southeast (owing to afternoon cloudiness) thereafter. They have not built their cities, or hospitals, nor done lots of things and thinking which Dr. Geiger's book suggests.

But watch out when you start out observing some of these interesting ground temperature characteristics for yourself. A household thermometer will suffice—but don't let it blow its top in the 120 degree temperature on the ground in the sun.

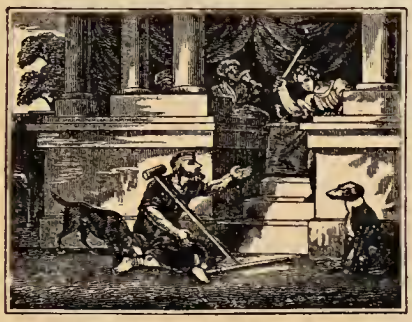
# JESUS CHRIST

## THE LIFE OF OUR LORD AND SAVIOUR

FROM HIS TAKING UPON HIMSELF OUR NATURE, TO HIS CRUCIFIXION, RESURRECTION, AND ASCENSION.

*By J. W. Barber, New Haven, Conn. 1832.*

(John W. Barber (1798-1885) was a New Haven business man who drove about the United States making his own wood engravings of what he saw. These engravings represent his idea of the meanings connoted in the Biblical verses beneath each one.)



**DIVES AND LAZARUS.**

"There was a certain rich man, which was clothed in purple and fine linen, and fared sumptuously every day. And there was a certain beggar named Lazarus, which was laid at his gate full of sores.—LUKE XVI. 19, 20."

**MARRIAGE SUPPER**

"And he sent his servant at supper-time, to say to them that were bidden, Come, for all things are now ready. And they all with one consent began to make excuse."—LUKE XIV. 17, 18.

**GIVING SIGHT TO THE BLIND.**

"But they cried the more, saying, Have mercy on us, O Lord, thou son of David. And Jesus stood still, and called them and said, What will ye that I shall do unto you? They say unto him, Lord, that our eyes may be opened."—MATT. XX. 31-33.

**THE WISE AND FOOLISH VIRGINS.**

"Afterward came also the other virgins, saying, Lord, Lord, open to us. But he answered and said, Verily I say unto you, I know you not."—MATT. XXV. 11, 12.

See JOHN VIII. 7 and LUKE V. 8, 9. for these two.

THE DISCIPLES SENT FORTH.

"After these things the Lord appointed other seventy also, and sent then two and two before, into every city and place whither he himself would come."—LUKE X. 1.

PETER'S WANT OF FAITH.

"But when he saw the wind boisterous, he was afraid; and beginning to sink, he cried, saying, Lord, save me."—MATT. XIV. 30.

ST. THOMAS' INCREDULITY.

"Then saith he to Thomas, reach hither thy finger, and behold my hands; and reach hither thy hand and thrust it into my side: and be not faithless, but believing. And Thomas answered and said unto him, My Lord and my God."—JOHN XX. 27, 28.

THE GOOD SAMARITAN.

"But a certain Samaritan, as he journeyed came where he was; and when he saw him, he had compassion on him, and went to him and bound up his wounds, pouring in oil and wine, and set him on his own beast, and brought him to an inn, and took care of him."—LUKE X. 33, 34.

PAUL AND BARNABAS REPUTED AS GODS.

"And they called Barnabas Jupiter; and Paul called they Mercurius, because he was the chief speaker. Then the priest of Jupiter, which was before their city, brought oxen and garlands unto the gates, and would have done sacrifice with the people."—ACTS XIV. 12, 13.

PAUL PREACHING AT ATHENS.

"Then Paul stood in the midst of Mars-hill, and said, Ye men of Athens, I perceive that in all things ye are too superstitious. For as I passed by and beheld your devotions, I found an altar with this inscription, TO THE UNKNOWN GOD. Whom therefore ye ignorantly worship, him declare I unto you."—ACTS XVII. 22, 23.

DESTRUCTION OF THE TEMPLE FORETOLD.

"As for these things which ye behold, the days will come, in the which there shall not be left one stone upon another, that shall not be thrown down."—LUKE XXI. 6.

OUR LORD SCOURGED BY THE SOLDIERS.

"Then released he Barabbas unto them: and when he had scourged Jesus, he delivered him to be crucified."—MATT. XXVII. 26.

THE LAST SUPPER.

"And he took bread, and gave thanks, and brake it, and gave unto them, saying, This is my body which is given for you: this do in remembrance of me. Likewise also the cup after supper, saying, This cup is the new testament in my blood which is shed for you."—LUKE XXII. 19, 20.

THE CRUCIFIXION.

"But when they came to Jesus, and saw that he was dead already, they brake not his legs: But one of the soldiers with a spear pierced his side, and forthwith came thereout blood and water."—JOHN XIX. 33, 34.

THE ASCENSION.

"And it came to pass, while he blessed them, he was parted from them, and carried up into heaven. And they worshipped him, and returned to Jerusalem with great joy."—LUKE XXIV. 51, 52.

JESUS BLESSING LITTLE CHILDREN.

"But Jesus said, Suffer little children, and forbid them not to come unto me; for of such is the kingdom of heaven."—MATT. XIX. 14.

# WORD CHARADES

(For auswers turn to page 96)

1

My **first** is tall and lean and thin,
My **second** once was Eve.
My **whole** smokes on the farmer's board;
'Tis not of sheep or beeve.

Rich brown and lusclous, tender fare
For every worthy soul;
You and your **second** when you dine
Should never **first** my **whole.**

2

If you are able to do my **first** as well as my **second** can, you will soon be a good player at my **whole.**

3

In my **first** my **second** sate; my **third** and **fourth** I ate.

4

My **first** is French, my **second** English, and my **whole** is Latin.

5

My **first** a useful instrument
To lawyers when on business bent;
My **second's** lord of all creation,
Sea and land to every nation;
My **third,** my **second** made with art,
To trade with many a foreign part.
My **whole** you'll see, that, when combined,
A useful art to all you'll find.

6

Ride on, ride on, thou traveler bold,
And cast thy looks on **first;**
See how the tempest clouds do lower,
That soon in storm shall burst.

Ride on, ride on; thy **second** leads
Across the lonely heath,
Where gibbets tell of darksome deeds,
And culprits swing beneath.
Ride on, ride on; my **third** thou art—
An honest one and true.
Beware! a **third** is lurking near,
Who would his hands imbrue.

Ride on, ride on, ride for thy life,
Spur on thy faithful steed;
For now **whole** thy **second** bars,
Nerved for his lawless deed.

7

My **first** is expressive of no disrespect,
But I never call you by it when you are by.
If my **second** you still are resolved to reject,
As dead as my **whole** you shall presently lie.

8

A man of fourscore winters white
Sat dozing in his chair;
His frosted brow was quite my **first,**
With glorious silver hair.

My **whole** lay playing at his feet,
And a glance upward stole;
My **second,** I can wager you,
Was father of my **whole.**

9

My **first** is half, my **second** whole, and my **whole** is a half.

10

My **first** is a dwelling, my **second** is a dwelling, and my **whole** is a dwelling.

11

Just two thirds of ten and one third of eleven,
My **first** and my **second** contain;
For my **third,** you must take four parts of the seven
Composing a grammar. Then plain
To your view you will find that my **whole** is displayed
Denoting a message that's quickly conveyed.

12

My **first** is a kind of **butter;** my **second** is a kind of **licker;** my **whole** is a kind of **charger.**

Send today for a 5 lb. strip of Harrington's Sugar Cured Cob Smoked Bacon E. of M. $4.25

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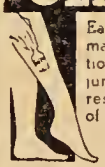

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Long selected Superfine, $3.15; Finefine, $3.25; Fine, $3.50; Medium, $4.00; Common, $4.50 per hank. Fine woven cane webbing, $1.50 square foot.

Flat and oval reeds, $1.75 per pound. All postpaid.

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$1.00 a can — postpaid

**SHEA LABORATORIES** **Keene, New Hampshire**
**Trade Mark* *Dealer Inquiries Invited*

# OLD-FASHIONED PUZZLES

(Answers on page 96)

### Enigma

I always murmur, yet I never weep;
I always lie in bed, yet never sleep;
My mouth is wide, and larger than my head,
And much disgorges, though 'tis never fed.
I have no legs nor feet, yet swiftly run,
And the more falls I get move faster on.

### Enigma

Enough for one, too much for two, and nothing at all for three.

### Logograph

Take away one letter, and I murder; take away two, and I am dying, if the whole does not save me.

### Geometrical Problem

A pavement is to be formed of tiles of the same regular figure. Show what are the only figures that can be used.

### Conundrums

1. What makes all women alike?
2. What word is that to which, if you add a syllable, it will make it shorter?
3. Why does a miller wear a white hat?
4. What letter of the alphabet is most useful to a deaf old woman?

### Enigmas

1

In spring I am gay in my attire; in summer I wear more clothing than in spring; and in winter I go naked.

Formed long ago, yet made today,
And most employed when others sleep,
What few would like to give away
And fewer still to keep.

### Riddle

There was a man who had no eyes,
He went abroad to view the skies;
He saw a tree with apples on it,
He took no apples off, yet left no apples on it.

### Arithmetical Problem

A farmer being asked how many sheep he had, said, "Yonder flock contains 4920; of which my neighbor Smith own twice as many as I; Mr. Jones owns 3 times as many as Smith; and Mr. Dow owns twice as many as Jones; and all three of them own ½ of what I do not own." How many sheep had he?

### Conundrums

1. What tree bears the most fruit to market?
2. Why is the letter S like a furnace in a battery?
3. Why is a room full of married folks like a room that is empty?
4. What is that which no man wants, but which if any man has, he will not part with for the world?

### Enigma

On the bridal day
People think of me;
Ere men come to pray,
Well heard I must be;
My end you shall never see,
Emblem of eternity.

### Logogriph

My whole is a circle complete;
Beheaded I'm part of the feet;
Behead me again if you wish,—
'Twill bring to your notice a fish.

### Distich

The following beautiful distich is of great antiquity and is good English:

DOUN TOOTH ERS A SY
OUW OULD BED ONE BY.

### Arithmetical Puzzle

Place four fives in such a manner as to make four times four and forty.

### Word Puzzles

1

Four s's, four l's, two p's, and an m
Please tell me what you can make of them.

2

It's found in the house, though it be but a hut.
And without it no razor, howe'er sharp, can cut;
It's always in sugar, but never in tea;
It's a part of yourself, but no part of me.

### Conundrums

1. What interjection is of the feminine gender?
2. When is your head like the letter A?
3. When is a man thinner than a lath?
4. What is that which every man wishes for, and yet tries to get rid of?

### ORIGINS—FAMOUS SAYINGS

"I would rather be right than be President."—Henry Clay.

"Don't give up the ship!"—Capt. Jas. Lawrence.

"Nothing is certain but death and taxes."—Franklin.

"Blood is thicker than water." — Commodore Tatnall.

"In peace prepare for war."—Washington.

"The proof of the pudding is in the eating of it," a saying by which James I is said to have cut short a panegyric of Buckingham on a new kind of pudding, while he plunged his knife into it.

"Those who live in glass houses should not throw stones," is another saying credited to James I.

"He will never have true friends who is afraid of making enemies."—Hazlitt.

A certain Hepzibah Merton, in Puritan times, was in the habit of baking two or three dozen apple pies every Saturday, which were to last her family through the week. She placed them in her pantry, labelling one or more for each day in the week. The pantry thus arranged was said to be in "apple pie order."

"Genius is only great patience."—Buffon.

"Confidence is a plant of slow growth."—Lord Chatham.

"Whatever is worth doing at all is worth doing well."—Lord Chesterfield in letters to his son.

"Good and bad men are each less so than they seem."—Coleridge.

"The greater the truth, the greater the libel."—Lord Mansfield.

"The first water cure was the flood, and it killed more than it cured."—Charles Lamb.

"Tyrants never sleep."—Voltaire.

"Bad laws are the worst sort of tyranny."—Burke.


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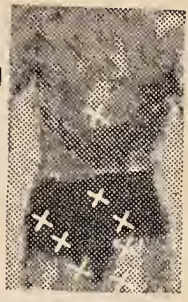
**for Rupture Help**



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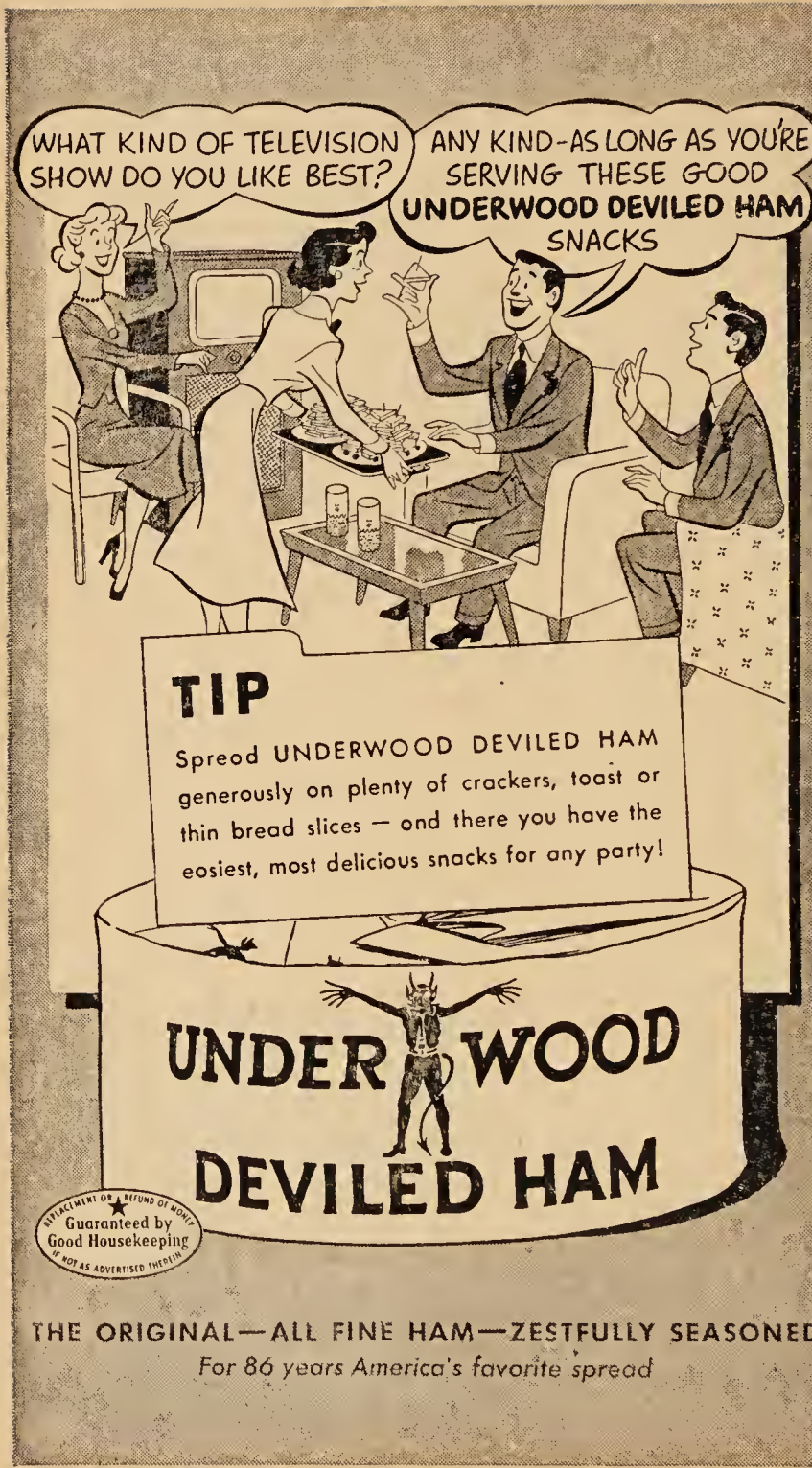
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Memorable-meals from country tables have included some of the following:

### MAINE BLUEBERRY GRIDDLE CAKES

2 eggs
2 cups buttermilk
1 teas. soda
2 cups all purpose flour
2 teas. baking powder
1 teas. salt
2 teas. sugar
4 T. melted butter
1 cup fresh or frozen blueberries

Beat the eggs and add the buttermilk which you have mixed with soda. Sift flour and baking powder, salt and sugar into this mixture. Pour in the melted butter. Fold the blueberries into the batter and fry on a hot griddle and serve with maple syrup for breakfast or powdered sugar and more berries when used as a dessert.

### COAST CLAM FRITTERS

1 pint soft clams
2 cups flour
2½ teas. baking powder
2 eggs
½ cup milk
Clam Juice
½ teas. salt
¼ teas. pepper

Drain the clams and chop fine. Combine the flour and the baking powder. Beat the eggs and add milk and clam juice. Add this mixture slowly to the flour and mix well and then add the clams. Season with salt and pepper. Drop from tablespoon into hot fat and fry until they are golden brown. Serve while very hot.

### GOVERNOR'S CLAM CHOWDER

1½ quart soft clams
¼ cup diced salt pork
3 small, sliced onions
4½ cups diced potatoes
2 T. flour
2 teas. salt
¼ teas. pepper
2½ cups boiling water
1 quart scalded milk
3 T. butter

Separate the clams from the liquor, discard the stomach contents and mince clams. Fry the pork until it's a deep golden brown and then add sliced onions and fry these to a light golden color. Add a layer of potatoes and sprinkle with flour, salt and pepper, repeat until mixture has been used up. Add boiling water and simmer until the potatoes are done. Combine the milk and the clam liquor and butter before adding the clam mixture. Simmer and serve with toasted pilot crackers.

AS TRADITIONAL AS

# The Old Oaken Bucket . . .

# The old-time flavor of B&M quality foods

Do you remember . . . that hearty homey scrumptiousness of the meals that used to come from the old black range in the farmhouse kitchen? Do you remember . . . how you passed your plate for a second, maybe a third helping — everything tasted so good!

You'll rediscover that old-time satisfaction in B&M food specialties, made with home-style care the home-style way for today's hungry folks. In every handy can or jar you'll find tempting stick-to-the-ribs eating. Just heat and serve.

*Write for free Down East Recipe folder.*
*Burnham & Morrill Company, P. O. Box 1871, Portland, Maine*

## VERMONT CORN PUDDING

2½ cups cream style corn
3 eggs beaten slightly
2 cups milk
1 teas. salt
½ teas. pepper
1 T. minced onions
1 chopped pimiento
½ green pepper, chopped
2 T. butter

Mix all the ingredients together and bake in a 325° F. oven for about one hour. Serve immediately.

## EASTERN SCALLOPED CODFISH

1 pound salt codfish
2 cups thin cream sauce
Dash of pepper
1¼ T. chopped parsley
1 teas. lemon juice
¼ cup buttered crumbs

Freshen the codfish by placing in a kettle of cold water and then heat the water to just below the boiling point. Pour off water and repeat three times. Simmer to below boiling point for about five minutes or until the fish is tender. Drain, add white sauce and season to taste. Pour into a greased baking dish, sprinkle with buttered crumbs and bake in a 400° F. oven until the crumbs are brown.

## SAVORY PORK CHOPS

4 pork chops, well trimmed of fat
Flour
4 medium sized onions, sliced
3 T. butter
Water
Salt and pepper to taste

Sift the flour over the pork chops on both sides. Slice and fry the onions in the butter until a light brown. Place chops in a skillet with the onions. Brown quickly on both sides; season to taste. Add enough water to cover and cook over a low flame for about 45 minutes making certain that they are tightly covered. Chops will be tender and particularly flavorful.

## OLD TIME CIDER BAKED HAM

Marinate ham overnight in sharp cider (enough to cover). Remove the cider and place in a baking dish. Place uncovered in a roasting pan in a slow oven (300° F.) and roast for about three and a half hours basting frequently with cider used for marinade. Remove the rind from the ham and then cover with a mixture of equal parts of brown sugar and bread crumbs and a little powdered mustard if desired. Stick whole cloves into surface and brown in oven for about an hour and a quarter longer or until you feel that the ham is tender.

## LIVER LOAF

¼ pound salt pork
1 pound liver
Two dozen crisp soda crackers
1½ cups hot water (or stock if you have it)
2 eggs, beaten
1 T. minced onion
1¼ teas. poultry seasoning
1 teas. salt
¼ teas. pepper
1½ T. butter

Pan fry the salt pork. Remove from the pan. Add liver to the fat. Sear on both sides. Grind the liver and the pork together. Pour the hot stock over the crushed crackers. Combine the meat, the crackers and the eggs and seasonings. Shape into a loaf and dot with butter. Bake in a 425° F. oven for about thirty minutes.

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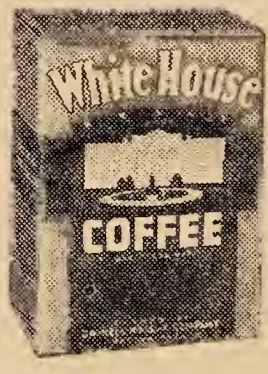


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*ask your grocer for*

**WHITE HOUSE COFFEE**

Box 1871 BOSTON, (5) MASS.

## WATERMELON CAKE

3 cups flour, sifted
3 teas. baking powder
¼ teas. salt
½ cup shortening
1½ cups sugar
3 egg whites beaten until stiff
1 cup milk
1 teas. vanilla
½ cup raisius
½ teas. red vegetable coloring

Sift together the flour and the baking powder and salt. Cream shortening and add sugar gradually and cream together thoroughly. Add flour alternately with the milk, beating until smooth. Add vanilla and fold in the egg whites. Divide the batter into two parts. To one part add the red coloring and the flour covered raisins. Grease a melon mold. Put a layer of the white batter in the bottom, then red in the center and a layer of the white batter on top. Bake in a moderate or 350° F. oven for about thirty minutes. Frost with butter icing which you have tinted green.

## MAKING BAYBERRY CANDLES

### (Yankee Cookbook)

Remove the berrles from twigs; pick them over to remove any leaves or small pieces of twigs. Put a few berries in the colander and shake back and forth to remove all the dust. Put berries in a kettle filled with water. Use a large kettle so wax will float to the top. Set in middle of the stove (not over direct heat else sediment will cook into the wax) and leave overnight. In the morning set in a cold place, preferably out of doors and wax will form in a solid cake. This will take the entire day.

Remove the wax and brush or pick off any sediment and put in a small kettle filled with water. Set it on the stove again but NOT over direct heat aud theu when entirely melted pour through a strainer and then cheesecloth. Set out of doors again to harden. If the wax is not clean enough melt it again in water and strain. Be sure to have the wax perfectly clean. In straining warm wax work in a warm place, else wax will begin to harden. Work over the back of the range being careful not to get too close to the fire.

Now your wax is ready for the molds, or to dip by hand. If you use a mold have wicks longer than mold so that you can pull out the candles. Put wick in the mold and dip the tip of wick into warm wax and let it harden. Then pour your wax into the mold. If you use a teapot the wax will be easier to handle. Hold the mold in an upright position or tie to a faucet. Let this stand in a cold place for half a day. Then take a snarp pointed knife and loosen candles at the base and pull out. If candles do not come out readily it is because your wax was not clean enough and you will have to pour boiling water over the molds to loosen them. Then hold until they are firm enough to lay down. You'll find that ten pounds of bayberries make one pound of wax. . . . one pound of wax will make two good sized candles.

## WEDDING ANNIVERSARIES

1. Paper
2. Cotton
3. Leather
4. Books or Flowers
5. Wood
6. Iron
7. Copper and Brass
8. Bronze and Electrical gadgets
9. Pottery
10. Tin and Aluminum
11. Steel
12. Silk and linen
13. Lace
14. Ivory
15. Crystal
25. Silver
30. Pearl
35. Coral
40. Ruby
45. Sapphire
50. Gold
55. Emerald
60. Platinum
75. Diamond

# Tables of Measures

### Apothecaries

1 scruple=20 grains
1 dram=3 scruples
1 ounce=8 drams
1 pound=12 ounces

### Avoirdupois

1 pound=16 ounces
1 hundredweight=100 pounds
1 ton=20 hundredweight=2000 pounds
1 long ton=2240 pounds

### Cubic Measure

1 cubic foot=1728 cubic inches
1 cubic yard=27 cu. feet
1 register ton (shipping measure)=100 cubic feet
1 U. S. shipping ton=40 cu. ft.
1 cord=128 cubic feet
1 U. S. liquid gallon=4 quarts=231 cubic inches
1 imperial gal.=1.20 U. S. gals.=0.16 cubic feet
1 board foot=144 cubic inches

### Dry Measure

2 pints .....=1 quart (qt.)
4 quarts .....=1 gallon (gal.)
2 gal.ons or 8 quarts .....=1 peck
4 pecks .....=1 struck bushel

### Household Measures

120 drops water=1 teaspoon
60 drops thick fluid=1 teaspoon
2 teaspoons=1 dessertspoon
3 teaspoons=1 tablespoon
16 tablespoons=1 cup
1 cup=½ pt.
1 cup water=½ lb.
4 tablespoons flour=1 oz.
2 tablespoons butter=1 oz.
3 teaspoons soda=½ oz.
4 teaspoons baking powder=½ oz.
2 cups granulated sugar=1 lb.
2½ cups confectioners' sugar=1 lb.
2½ cups wheat flour=1 lb.
3½ cups whole wheat flour=1 lb.
2½ cups buckwheat flour=1 lb.
5⅓ cups coffee=1 lb.
6½ cups tea=1 lb.
2 cups lard=1 lb.
2 cups butter=1 lb.
2 cups corn meal=1 lb.
2 cups powdered sugar=1 lb.
2 cups brown sugar=1 lb.
2 cups raisins=1 lb.
2 cups currants=1 lb.
9 eggs=1 lb.

### Linear Measure

1 foot=12 inches
1 yard=3 feet
1 rod=5½ yards=16½ feet
1 mile=320 rods=1760 yards=5280 feet
1 nautical mile=6080 feet
1 knot=1 nautical mile per hour
1 furlong=⅛ mile=660 feet=220 yards
1 league=3 miles=24 furlongs
1 fathom=2 yards=6 feet
1 chain=100 links=22 yards
1 link=7.92 inches
1 hand=4 inches
1 span=9 inches

### Liquid Measure

4 gills=1 pint (O.)
2 pints=1 quart (qt.)
4 quarts=1 gallon (gal.)
63 gallons=1 hogshead (hhd.)
2 hogsheads=1 pipe or butt
2 pipes=1 tun

### Square Measure

1 square foot=144 square inches
1 sq. yard=9 sq. feet
1 sq. rod=30¼ sq. yards=272¼ sq. feet
1 acre=160 sq. rods=43560 sq. ft.
1 sq. mile=640 acres=102400 sq. rods
1 sq. rod=625 square links
1 sq. chain=16 square rods
1 acre=10 square chains

### Troy

(Used in weighing gold, silver, jewels)

1 pennyweight=24 grains
1 ounce=20 pennyweight
1 pound=12 ounces

### Metric

1 inch=2.54 centimeters
1 meter=39.37 inches
1 yard=0.914 meters
1 mile=1609 meters=1.61 kilometers
1 sq. inch=6.45 sq. cm.
1 sq. yard=0.84 sq. m.
1 sq. mile=2.59 sq. km.
1 acre=0.40 hektars
1 cu. yard=0.76 cubic meters
1 cu. meter=1.31 cubic yards
1 liter=1.06 U. S. liquid quarts
1 hektoliter=100 liters=26.42 U. S. liquid gallons
1 U. S. liquid quart=0.94 liters
1 U. S. liquid gallon=3.76 liters
1 metric ton=1000 kilograms
1 kilogram=2.20 pounds
1 pound avoirdupois=0.45 kilograms

## REMEMBER GRANDMA'S LAMPS?

"FIX UP" your old keepsakes and enjoy their quaint charm. Beautifully hand-painted CHIMNEYS — $3.00 ppd. BRASS CONVERTER, complete with cord and plug. Electrifies your lamp in less than a minute. Takes any standard bulb. Fits No. 2 lamp, with 1¼" screw opening — $2.00 ppd. Send for illustrated folder showing floral designs.

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**Old State Nicknames**

**Maine:** Said to have been named after Maine in France (1638) of which Henrietta Maria, wife of Charles I, was proprietor. Inhabitants were nicknamed "Foxes" in early days.

**Virginia:** So called in 1584 by Sir Walter Raleigh after the "virgin" queen Elizabeth. Inhabitants were nicknamed "Beadles."

**New Jersey:** Named after Jersey in the British Channel in compliment to Sir John Carteret who had defended the latter in 1642. Inhabitants were called "Crows, Clam-catchers, Spaniards, and Jersey Blues."

**New Hampshire:** So called after John Mason of Hampshire, England, who got it in 1629 from the Plymouth Colony. Inhabitants were known as the "Granite Boys."

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**only $1** *per set of 2 rings*

You'll love these rings—the simulated diamonds look like a "million dollars" and sparkle with many stones. Order today giving ring size. SEND NO MONEY. Pay postman only $1 plus postage for both rings. If you send $1 cash with order we pay all postage. GUARANTEE: Wear rings 10 days. If not pleased return for refund. White or yellow gold color effect or sterling silver mountings.

**HAREM CO. "THE HOUSE OF RINGS"**
**30 Church St., Dept. R384 New York 7, N. Y.**

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## ILLUSTRATED COMIC BOOKLETS

*THE KIND MEN LIKE!*
THE GIRLS LIKE 'EM TOO!!
(VEST POCKET SIZE)

They are loaded with rare cartoons Full of FUN and HUMOR. ***20 DIFFERENT*** booklets sent for $1 in sealed wrapper. No C.O.D.

BULCO, DEPT. 40 Box 382 K, G.P.O., N.Y.C. 1

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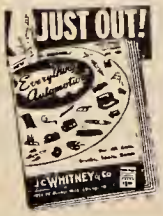



## 1952 EDITION

It's New! It's Different! Get world's largest Auto Accessory & Parts Catalog and save money. Over 50,000 items, including Hollywood Accessories, Hi-Speed Equipment, Rebuilt Engines, all parts & accessories for all cars & trucks. We have that Hard-To-Get part! Jam packed with bargains. Completely illustrated. (100 pages) Send 25c (refundable).

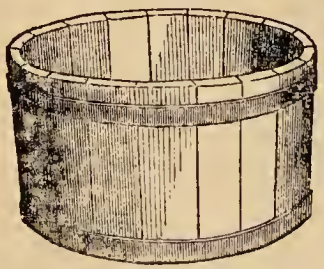
J. C. WHITNEY, 1917-BB Archer, Chicago 16

Visit the Store Henry Ford Made Famous!

Wayside Country Store. Built in 1795. Restored by Henry Ford in 1930.

Pine Horse Collar Chairs. Finished in Pine, Maple, or Black and Gold.

Rugged. . . Comfortable. . . Beautiful!
$24.50 f.o.b. Child's Model, $12.49 f.o.b.



THE CHEESE-VAT.

Two Year Cheddar Cheese
"Strong e'nuff to vote Republican!"
2 lb. Slab ..... Postpaid $2.00

No. C. O. D.'s, please.

## WAYSIDE COUNTRY STORE

"Best by a Dam Site"
Boston Post Road, Route 20
South Sudbury, Mass.

### Laurel Decorations

The general idea of decorating homes at Christmas time with wreaths, evergreen boughs—and particularly laurel—roots way down deep in history. This kind of decoration was carried on by the ancient Romans. To them the laurel was the emblem of Peace. Joy, and Victory. In ancient England, at the Universities, and even in the windows of the homes, it was common practise to adorn the walls and doors with greenery—emblematic to the people of that day, as with us, of the Victory gained over the powers of Darkness by the coming of Christ.

The fact that the animals of our fields are poisoned by laurel is one of those curious anomalies of life . . . for one would hardly think that man would choose a bush with such a bad record. Most animals of course instinctively know the laurel for what it is.


## $25.00 IN GIFTS FOR YOU!

**NOT ONE CENT TO PAY!**

Choose your Gifts from huge selection—silverware, dinnerware, electric irons, toasters, mixers, cleaners, jewelry . . . also lovely dresses and wearing apparel—**$25.00 worth yours without one cent cost** on thrilling Colony Hall Style Club Plan! Your friends, neighbors glad to join your Colony Hall Style Club to select beautiful, latest-style dresses and clothing needs at low money-saving prices—and pay on budget-plan terms. Valuable premiums for members too. And you receive $25.00 in gorgeous gifts as Club Secretary!

**EVERYTHING Supplied FREE! Mail Coupon!** We send you at once, FREE, complete Wonder-Book of Gifts; big colorful Colony Hall Style Presentation and full details for getting costly gifts without paying one single cent. Mail coupon Today!

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DEPT. L-44 • CINCINNATI 25, OHIO

**COLONY HALL STYLE CLUB,**
**Dept. L-44, Cincinnati 25, Ohio**
Please rush at once Gift Catalog, Style Presentation, and full details of your Colony Hall Style Club Plan.

*Name*_____
*Address*_____
*City*_____ *State*_____

# GESTATION AND REPRODUCTION TABLE

| | Proper age for first mating | Period of power of reproduction in years | No. of females for one male | Period of gestation and incubation | | |
|---|---|---|---|---|---|---|
| | | | | Shortest days | Mean days | Longest days |
| Mare | 3 yrs. | 10 to 12 | | 325 | 336 | 352 |
| Stallion | 4 " | 12 to 15 | 20 to 30 | | | |
| Cow | 18-24 mos. | 10 to 14 | | 235 | 282 | 300 |
| Bull | 12-18 " | 10 to 12 | 30 to 40 | | | |
| Ewe | 18 " | 6 | | 145 | 147 | 152 |
| Ram | 12-14 " | 7 | 35 to 45 | | | |
| Sow | 9 " | 6 | | 110 | 114 | 120 |
| Boar | 9 " | 6 | 8 to 12 | | | |
| She Goat | 18 " | 6 | | 147 | 151 | 155 |
| He Goat | 18 " | 5 | 20 to 30 | | | |
| Ass | 3 yrs. | 10 to 12 | | 356 | 367 | 378 |
| Jack | 4 " | 12 to 15 | 20 to 30 | | | |
| She Buffalo | 18-24 mos. | 8 | | 309 | 315 | 325 |
| Bitch | 16-18 " | 8 | | 58 | 63 | 67 |
| Dog | 12-16 " | 8 | | | | |
| She Cat | 12 mos. | 6 | | 58 | 60 | 64 |
| He Cat | 12 " | 10 | 6 to 8 | | | |
| Doe Rabbit | 6 " | 5 to 6 | | 25 | 30 | 35 |
| Buck Rabbit | 6 " | 5 to 6 | 30 | | | |
| Cock | 6 " | 5 to 6 | 12 to 18 | | | |
| Hen | | 5 to 6 | | 19 | 21 | 24 |
| Turkey | | | | 24 | 26 | 30 |
| Duck | | | | 28 | 30 | 32 |
| Goose | | | | 27 | 30 | 33 |
| Pigeon | | | | 16 | 18 | 20 |
| Pea Hen | | | | 25 | 28 | 30 |
| Guinea Hen | | | | 20 | 23 | 25 |
| Swan | | | | 40 | 42 | 45 |
| Hen or Duck's Eggs | | | | 22 | 30 | 34 |

*Also See Calendar Page 27.*

# REPRODUCTIVE CYCLE IN FARM ANIMALS

*Courtesy F. N. Andrews — Purdue University*

| | Reoccurs if not Bred (Days) | Estrual Cycle incl. Heat Period (Days) | | In Heat for | | Usual Time of Ovulation |
|---|---|---|---|---|---|---|
| | | Ave. | Range | Ave. | Range | |
| Mare | 16 | 21 | 10–37 | 5–6 days | 1–37 days | 24–48 hours before end of estrus |
| Sow | 19 | 21 | 18–24 | 2–3 days | 1–5 days | Usually second day of estrus |
| Ewe | 15 | 16 | 14–20 | 30 hours | 20–42 hours | 1 hour before end of estrus |
| Goat | 19 | 20 | 12–25 | 36–48 hours | 20–80 hours | Near end of estrus |
| Cow | 20 | 19–20 | 16–24 | 16–20 hours | 8–30 hours | 14 hours after end of estrus |
| Bitch | 180 | 24 | | 21–28 days | | |
| Cat | 120 | | | 3–12 days | | |

## VENUS, MARS, JUPITER AND SATURN 1952.

Below are given the times of the rising or setting of the Planets named, on the first, eleventh and twenty-first of each month. The time of the rising or setting of any one of said Planets between the days named may be found with sufficient accuracy by interpolation. For explanation of keys (used in adjusting times given to your town) see page 105.

| 1952 | VENUS h m | Key | MARS h m | Key | JUPITER h m | Key | SATURN h m | Key |
|---|---|---|---|---|---|---|---|---|
| JANUARY 1st | rises 3 54 A.M. | M | rises 12 46 A.M. | K | sets 11 31 P.M. | I | rises 12 13 A.M. | J |
| " 11th | " 4 14 A.M. | N | " 12 32 A.M. | K | " 10 58 P.M. | I | " 11 32 P.M. | J |
| " 21st | " 4 33 A.M. | N | " 12 17 A.M. | K | " 10 26 P.M. | I | " 10 53 P.M. | J |
| FEBRUARY 1st | rises 4 50 A.M. | N | rises 11 56 P.M. | L | sets 9 52 P.M. | J | rises 10 09 P.M. | J |
| " 11th | " 5 01 A.M. | N | " 11 37 P.M. | L | " 9 22 P.M. | J | " 9 29 P.M. | J |
| " 21st | " 5 07 A.M. | N | " 11 15 P.M. | L | " 8 53 P.M. | J | " 8 47 P.M. | J |
| MARCH 1st | rises 5 08 A.M. | M | rises 10 52 P.M. | L | sets 8 28 P.M. | J | rises 8 10 P.M. | J |
| " 11th | " 5 04 A.M. | M | " 10 22 P.M. | M | " 8 00 P.M. | J | " 7 27 P.M. | J |
| " 21st | " 4 57 A.M. | K | " 9 48 P.M. | M | " 7 32 P.M. | K | rises 6 44 P.M. | J |
| APRIL 1st | rises 4 47 A.M. | J | rises 9 04 P.M. | M | sets 7 02 P.M. | K | sets 5 46 A.M. | H |
| " 11th | " 4 36 A.M. | I | " 8 17 P.M. | M | sets 6 35 P.M. | K | " 5 05 A.M. | I |
| " 21st | " 4 24 A.M. | H | rises 7 25 P.M. | L | rises 4 56 A.M. | G | " 4 24 A.M. | I |
| MAY 1st | rises 4 13 A.M. | G | sets 4 49 A.M. | F | rises 4 23 A.M. | G | sets 4 43 A.M. | I |
| " 11th | " 4 04 A.M. | F | " 3 58 A.M. | F | " 3 49 A.M. | F | " 3 02 A.M. | I |
| " 21st | " 3 58 A.M. | E | " 3 09 A.M. | F | " 3 16 A.M. | F | " 2 22 A.M. | I |
| JUNE 1st | rises 3 56 A.M. | D | sets 2 18 A.M. | F | rises 2 39 A.M. | F | sets 1 38 A.M. | I |
| " 11th | " 3 58 A.M. | C | " 1 36 A.M. | F | " 1 56 A.M. | F | " 12 58 A.M. | I |
| " 21st | rises 4 08 A.M. | C | " 12 57 A.M. | F | " 1 32 A.M. | F | " 12 19 A.M. | I |
| JULY 1st | sets 7 29 P.M. | O | sets 12 21 A.M. | F | rises 12 58 A.M. | F | sets 11 36 P.M. | I |
| " 11th | " 7 37 P.M. | O | " 11 45 P.M. | E | " 12 24 A.M. | F | " 10 58 P.M. | I |
| " 21st | " 7 39 P.M. | N | " 11 16 P.M. | E | " 11 45 P.M. | E | " 10 19 P.M. | I |
| AUGUST 1st | sets 7 35 P.M. | M | sets 10 45 P.M. | E | rises 11 06 P.M. | E | sets 9 38 P.M. | I |
| " 11th | " 7 27 P.M. | L | " 10 21 P.M. | D | " 10 30 P.M. | E | " 9 00 P.M. | H |
| " 21st | " 7 17 P.M. | K | " 9 58 P.M. | D | " 9 53 P.M. | E | " 8 23 P.M. | H |
| SEPTEMBER 1st | sets 7 03 P.M. | I | sets 9 36 P.M. | C | rises 9 11 P.M. | E | sets 7 42 P.M. | H |
| " 11th | " 6 50 P.M. | H | " 9 18 P.M. | C | " 8 33 P.M. | E | " 7 05 P.M. | H |
| " 21st | " 6 38 P.M. | G | " 9 04 P.M. | C | " 7 53 P.M. | E | " 6 28 P.M. | H |
| OCTOBER 1st | sets 6 27 P.M. | F | sets 8 52 P.M. | C | rises 7 12 P.M. | E | sets 5 52 P.M. | H |
| " 11th | " 6 18 P.M. | E | " 8 43 P.M. | C | " 6 30 P.M. | E | rises 5 51 A.M. | J |
| " 21st | " 6 14 P.M. | D | " 8 37 P.M. | C | " 5 47 P.M. | E | " 5 18 A.M. | J |
| NOVEMBER 1st | sets 6 15 P.M. | C | sets 8 33 P.M. | C | rises 5 00 P.M. | E | rises 4 41 A.M. | J |
| " 11th | " 6 22 P.M. | C | " 8 30 P.M. | C | sets 6 13 A.M. | L | " 4 07 A.M. | J |
| " 21st | " 6 35 P.M. | C | " 8 30 P.M. | D | " 5 27 A.M. | L | " 3 34 A.M. | K |
| DECEMBER 1st | sets 6 54 P.M. | C | sets 8 30 P.M. | D | sets 4 42 A.M. | L | rises 2 58 A.M. | K |
| " 11th | " 7 15 P.M. | D | " 8 31 P.M. | E | " 3 58 A.M. | L | " 2 24 A.M. | K |
| " 21st | " 7 38 P.M. | E | " 8 32 P.M. | F | " 3 15 A.M. | L | " 1 49 A.M. | K |
| " 31st | sets 8 00 P.M. | F | sets 8 33 P.M. | F | sets 2 34 A.M. | L | rises 1 12 A.M. | K |

## MORNING AND EVENING STARS, 1952

*(A Planet is called Morning Star when it is above the horizon at sunrise, and Evening Star when it is above the horizon at sunset. More precisely, it is a Morning Star when it is less than 180° west of the Sun in right ascension and Evening Star when it is less than 180° east. When the planet is near conjunction or opposition, the distinction is unimportant.)*

*Mercury* will be favorably situated for being seen as an Evening Star when near its greatest eastern elongations about March 18, July 15 and November 9. On these dates it will set 1 h. 34 m., 1 h. 11 m., and 0 h. 57 m., respectively, after sunset. It will be seen as a Morning Star when near its greatest western elongations about January 6, May 3, August 29 and December 18, on which dates it will rise 1 h. 42 m., 0 h. 46 m., 1 h. 27 m., and 1 h. 48 m., respectively, before sunrise.

*Venus*, as a Morning Star, will be seen in the morning sky before sunrise until it reaches conjunction with the sun on June 24. For the rest of the year, as an Evening Star, it will grace the western sky after sunset. The Planet's brilliance varies but little during the year, but it will be at its brightest near the year's beginning and close.

*Mars* is a Morning Star as the year opens and so remains until coming to opposition with the Sun on April 30. For the rest of the year it will be an Evening Star.

*Jupiter* will be an Evening Star until it reaches conjunction with the Sun on April 17. From April 17 until it reaches opposition on November 8 it will be a Morning Star, thence becoming an Evening Star for the remainder of the year.

*Saturn* will be a Morning Star until it comes to opposition on April 1. Thereafter, until it reaches conjunction on October 11, it will be an Evening Star. From October 11 until the year's close it will be a Morning Star again.

# PRINCIPAL HOLIDAYS, ETC. IN 1952

America has no nationwide holidays. Each state determines its own. In the table that follows (*) indicates these quite generally observed by all states; (**) indicates those for only certain states; and (***) indicates days usually observed in some localities though probably not observed as holidays. Only continental United States is covered here. These dates are also all indicated on right hand calendar pages in abbreviated form.

Jan. 1 (*) New Year's Day
Jan. 8 (**) Battle of New Orleans
Jan. 19 (**) Robert E. Lee's Birthday
Jan. 26 (**) MacArthur Day (Ark.)
Jan. 30 (**) F. D. R.'s Day
Feb. 1 (**) Arbor Day (Ariz.)
Feb. 12 (**) Abraham Lincoln's Birthday
Feb. 14 (**) Admission Day (Arizona)
Feb. 14 (***) Valentine's Day
Feb. 15 (***) Susan B. Anthony Day
Feb. 22 (*) George Washington's Birthday
Feb. 26 (**) Mardi Gras
Mar. 1 (**) State Day (Nebraska)
Mar. 2 (**) Texas Independence Day
Mar. 7 (**) Burbank Day (Cal.)
Mar. 15 (**) Jackson Day (Tennessee)
Mar. 17 (**) St. Patrick's or Evacuation Day
Mar. 25 (**) Maryland Day
Apr. 1 (**) State Election (Michigan)
Apr. 11 (**) Good Friday (Conn., Del., Fla., La., Md., Minn., N. J., Penn. & Tenn.)
Apr. 12 (**) Halifax Day (N. Car.)
Apr. 13 (**) Jefferson Day (Mo., Okla., Va.)
Apr. 14 (**) Easter Monday (N. C.)
Apr. 14 (***) Pan American Day
Apr. 19 (**) Patriots' Day (Me., Mass.)
Apr. 21 (**) San Jacinto Day (Texas)
Apr. 22 (**) Arbor Day (Nebr.)
Apr. 22 (**) Okla. Day
Apr. 24 (**) Arbor & Bird Day (Mass.)
Apr. 26 (**) Memorial Day (Fla., Ga., Miss.)
Apr. 28 (**) Fast Day (N. H.)
May 4 (**) R. I. Independence Day
May 10 (**) Memorial Day (N. C. & S. C.)
May 10 (***) Mother's Day
May 17 (**) Armed Forces Day
May 20 (**) Mecklenburg Day (N. C.)
May 20 (**) Citizenship Day
May 30 (*) Decoration or Memorial Day
June 3 (**) Jefferson Davis Day (Ala., Ark., Fla., Ga., La., Miss., S. C., Tenn., Tex. & Va.)
June 14 (**) Flag Day (Mo. & Pa.)
June 15 (***) Father's Day
June 15 (**) Pioneer Day (Idaho)
June 17 (**) Bunker Hill Day (Suffolk County, Mass.)
June 20 (**) West Virginia Day
July 4 (*) Independence Day
July 13 (**) Forrest's Day (Tenn.)
July 24 (**) Pioneer Day (Utah)
Aug. 1 (**) Colorado Day
Aug. 14 (**) Victory Day (R. I.)
Aug. 16 (**) Bennington, Vt. Battle Day
Aug. 30 (**) Huey Long Day (La.)
Sept. 1 (*) Labor Day
Sept. 8 (**) Election Day (Me.)
Sept. 9 (**) Admission Day (Cal.)
Sept. 12 (**) Defender's Day (Md.)
Sept. 16 (**) Cherokee Day (Okla.)
Sept. 17 (***) Constitution Day
Sept. 28 (***) Am. Indian Day
Oct. 6 (**) Missouri Day
Oct. 10 (**) Okla. Hist. Day
Oct. 12 (*) Columbus Day
Oct. 31 (**) Nevada Day
Nov. 1 (**) All Saints' Day (La.)
Nov. 4 (**) Will Rogers Day (Okla.)
Nov. 4 (*) Election Day
Nov. 11 (**) Armistice Day
Nov. 23 (**) Repudiation Day (Md.)
Nov. 27 (*) Thanksgiving Day
Dec. 7 (**) Delaware Day
Dec. 21 (***) Forefather's Day
Dec. 25 (*) Christmas Day

## APPLES AT THE FARM

Here at the Farm, a few years back, so many of our friends asked us to send apples to them and their friends that we started shipping special gift packages. Wish we could show you the letters of compliments we've received — from Dads who sent some to sons at school, Aunts who sent them to favorite nephews, Executives who sent them to folks who had helped them in years gone by, Sales Managers who sent them to good customers — all people who wanted to send a good, wholesome, useful gift.

Whether it's a gift for Thanksgiving, Christmas, New Years, Easter, Birthdays, or just a thoughtful gesture on any old day, we will ship whenever you indicate. Nothing but the best of Fancy New England 3″ Apples are used. Pick your variety — Cortland, MacIntosh, or Northern Spy. Satisfaction guaranteed, or your money back. A special gift card bearing your name will be enclosed in each package.

### APPLES

| | |
|---|---|
| Gift Box of 12 Fancy Apples | $1.95 (A Fine Personal Gift) |
| Gift Box of 24 Fancy Apples | 2.95 (Ideal for the Small Family) |
| Gift Box of 48 Fancy Apples | 4.95 (Good for a Concern or Family) |

### SPECIAL COMBINATIONS

Personal Gift Box, with 10 Fancy Apples and 13 ozs Vermont Maple Syrup in attractive Serving Jar $2.95

Family Gift Box with 22 Fancy Apples and 13 ozs Vermont Maple Syrup in attractive Serving Jar 3.95

10% Discount on orders totalling $25. or more Postpa'd East of Mississippi—Add 10% — West of Mississippi

**FOUR WINDS FARM** Peterborough, N. H.


### ANSWERS TO CHARADES ON PAGE 80

1. Spareribb
2. Leap frog
3. Insatiate
4. Latin
5. Penmanship
6. Highwayman
7. Herring
8. Grandson
9. Semi-circle
10. Mansion-house
11. Telegram
12. Ramrod

### ANSWERS TO OLD-FASHIONED PUZZLES ON PAGE 82

Enigmas.—1. a river. 2. a secret.

Logograph.—skill, kill, ill

Geometrical Problem—Triangles, squares and hexagons are the only regular figures that can be used: for these are the only figures whose angles will exactly divide the angular space around the whole point of junction.

Conundrums.—1. The dark. 2. Short. 3. To cover his head. 4. The letter a because it makes "her" "hear".

Enigmas.—1. A tree. 2. A bed.

Riddle.—The man had but one eye, the tree but two apples, of which the man took one.

Arithmetical Problems.—If the flock is divided into parts, the farmer has 1 part; Smith, 2 parts; Jones, 6 parts; Dow, 12 parts; and all others as many as all the last three, that is, $12 + 6 + 2 = 20$; then the whole flock is divided into $20 + 12 + 6 + 2 + 1 = 41$ parts and one part, or what the farmer owned, is, $4920 \div 4 = 120$.

Conundrums.—1. The axle tree. 2. Because it makes hot shot. 3. There is not a single person in it. 4. A Bald head.

Enigma.—A ring.

Logogriph.—Wheel, heel, eel.

Distich.—"Do unto others as you would be done by."

Arithmetical Problem.—$55\ 5/5 = 56 = (4x4) + 40$.

Word Puzzles.—1. Mississippi. 2. The letter U.

Conundrums. 1. A lass. 2. When it is in your hat. 3. When he is a-shaving. 4. A splendid appetite.

# SAVE PAINT BRUSHES with a PROTEXEM

**Paint Brush Conditioner**

It softens hard-as-rock brushes. Brushes are always ready for use when you keep them in a PROTEXEM conditioner. No time is wasted cleaning brushes. No messy cleaning jobs to do. The vapor action of this new revolutionary method dissolves paint, varnish and enamel. A safe place to store brushes. One pint gives 12 months protection. Complete with pint of vaporizing liquid. Fully Guaranteed. ..... $2.95

2 Protexem Units P. P. ..... $5.50
1 Pt. Vapor Solvent P. P. ..... $ .90
2 Pts. Vapor Solvent P. P. $1.60

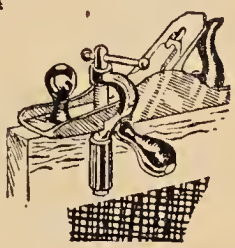
# PLANE IT SQUARE

**fast, accurately, easily**

with the SQUARE-EZY guide You can attach it to your plane quickly for perfect joining and edging work. Ideal for planing doors, windows and storms. Gives you a square edge easily. Rugged construction. Roller spindle accurately machined.

Model 7 for No. 3 and 4 block or smooth planes **$2.98**

Model 11 for Jack, 14-in. and larger **$3.98**



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Beautiful, HIGH QUALITY buttons, ideal for dresses, shirts, blouses, etc. All colors, designs and sizes, including dozens of deluxe matching "sets." TREMENDOUS BARGAIN! "Left overs" from America's expensive garment manufacturers. DON'T SEND MONEY — pay postman $1.00 plus C.O.D. postage upon arrival. *Satisfaction guaranteed.* GRANDMA GOODWIN, Girard G47A, Illinois.

**HELP HELP!**

The "house out back" calling! **ActivO** can cure it of unpleasantness. Just sprinkle over waste. Odors reduced or eliminated. Waste converted into ash-like fertilizer-humus. $2.00 size good for many months' treatment. . . . Helpful, too in septic tanks and cesspools. . . . **ActivO** also amazingly useful for making compost, activating soils and lawns, feeding potted plants, growing mushrooms, etc. . . . for many FARMING and GARDENING uses. Send for complete free details. Liberal-quantity sides. **ActivO** $2.00 and $6.99. Sizes at dealers, $1.00 and up. Time to use **ActivO** now. Get it today!

**ACTIVO** **BENSON-MACLEAN**

BOX 50 BRIDGETON, INDIANA

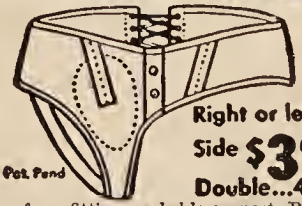
**Egg Cozies for You**

Brighten your breakfast table or guest tray with a Victorian egg cozy.

Choice of 9 basic colors: Rose, pink, blue, yellow, fuchsia, green, royal blue, scarlet, purple. Gift packaged. Postpaid in U.S. 3 for $1

**MARIE FARMER'S WORK-BOX** 92 Grafton St., Dept. OFA Arlington 74, Mass.

# RUPTURE-EASER




**Right or left Side $3.95**

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A strong, form fitting washable support. Back lacing adjustable. Snaps up in front. Adjustable leg strap. Soft, flat groin pad. No steel or leather bands. Unexcelled for comfort. Also used as after operation support. **For men, women and children.** Mail orders give measure around the lowest part of the abdomen. Specify right or left side or double. We Prepay Postage Except on C.O.D.'s.

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**Now You Know.**

The Weather Bureau does not always succeed in getting the weather right. A taxi driver told us recently that an Army Colonel had explained why this was; to wit, the W.B. always knows, but sometimes does not reveal, the weather—for reasons of military secrecy.

**Marry.**

Marry, in olden times, was originally "Mary." Thus in wedlock, one swore by the Virgin Mary—and thus eventually "married."


**WARTS GO!** TRAW, an amazing liquid, quickly—easily removes ugly embarrassing warts—leaves skin smooth and beautiful. No pain—horny growths dry up. Results guaranteed or money back. Only $1.00. We mail promptly. Write today. TRAW, Dept. OF3, Martin Ave., Clifton, N. J.

# POSTAL RATES June 15, 1951

## AIRMAIL ON UNITED STATES CONTINENT:

**Letters:** .06 per oz. **Postals:** .04 each.

**Parcel Post—up to 70 lbs.**

| ZONES | 1-2-3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|
| Weight in pounds over 8 ozs. to | Up to 300 miles | 300 to 600 miles | 600 to 1,000 miles | 1,000 to 1,400 miles | 1,400 to 1,800 miles | Over 1,800 miles |
| 1 | $0.60 | $0.65 | $0.70 | $0.75 | $0.75 | $0.80 |
| 10 | 4.92 | 5.15 | 5.74 | 6.51 | 7.23 | 8.00 |
| 25 | 12.12 | 12.65 | 1 .14 | 16.11 | 18.03 | 20.00 |
| 50 | 24.12 | 25.15 | 28.14 | 32.11 | 36.03 | 40.00 |
| 70 | 33.72 | 35.15 | 39.34 | 44.91 | 50.43 | 56.00 |

The rate of 80 cents for first pound (over 8 ounces to 1 pound) and 80 cents for each additional pound or fraction thereof shall be charged on parcels transported by air as follows:

(*a*) Between United States or its Territories and possessions and overseas Army and Navy Post Offices, also naval vessels addressed in care of Fleet Post Offices at New York, N. Y., and San Francisco, Calif.

All mailable matter, except day-old fowl and other articles subject to damage by low temperatures, and except inflammables other than motion-picture film in I. C. C. metal containers, may be sent via air.

# POSTAL RATES.—FOREIGN

**Letters.**—For the places in the following list the postal rate is **3 cents** each ounce or fraction. For all other foreign destinations, **5 cents** first ounce and **3 cents** each additional ounce or fraction: **Agrentina, Bolivia, Brazil, Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, Guatemala, Haiti, Honduras (Republic), Mexico, Nicaragua, Panama, Paraguay, Peru, Philippines, Salvador, El; Spain and possessions; Uruguay, Venezuela.**

**Post Cards.**—Single post cards for places enumerated above 2 cents. Single post card for all other foreign destinations 3 cents. Maximum size 6x4¼ inches, minimum size 4x2¾ inches.

**Printed Matter.**—1½ cents for each two ounces or fraction thereof.

**Eight-ounce Merchandise Packages.**—Packages of merchandise weighing 8 ounces or less, for the countries named in the table above, except the Philippines, 2 cents for each 2 ounces. Do not seal. Mark—"May be Opened for Inspection."

**Small Packets.**—Three cents for each 2 ounces, with a minimum charge of 15 cents per packet. Limit of weight: 2 pounds, 3 ounces. Dimensions: Same as for letters. (Inquire at main office or classified stations for list of countries which accept small packets and mailing instructions.)

# AIR MAIL: U.S. (Outside Continent) AND FOREIGN

A. 6 cents: (Per ounce) Canada, Mexico; Armed Forces or Civilian personnel with Army or Navy Postoffice addresses Continental United States, Alaska, Canal Zone, Canton Island, Guam, Hawaii, Puerto Rico, and U. S. Virgin Islands.

Aa. Postals and Post Cards:—4 cents each.

B. 8 cents: Cuba .08—½ oz.

C. 10 cents: Central and South America, West Indies, British and French Guiana, British Honduras, Surinam and Bermuda .10—½ oz.

D. 15 cents: Great Britain, Europe and other Islands in waters around it, U.S.S.R., Vatican City, Algeria, Egypt, Iceland, Libya, Morocco, Tunis, Turkey .15—½ oz.

E. 25 cents: All other localities .25—½ oz.
Weight limit is 4 lbs., 6 oz. except: Canada, 60 lbs.

F. Air-letter sheets, 10 cents each to any foreign country, on sale at all postoffices.

# INTERNATIONAL PARCEL POST BY AIR

Because of the varying rates and conditions, as well as frequent changes, applicable to foreign countries, it is important that a qualified postal employee handle parcel post transactions. Weight limits vary from 11 to 44 lbs.

| | **1. Commercial Papers, Printed Matter, etc., Samples (Unsealed)** | | **2. Packages** | |
|---|---|---|---|---|
| From U. S. to: | First 2 oz. | Ea. Add'l 2 oz. | First 4 oz. | Ea. Add'l 4 oz. |
| England | $0.41 | $0.20 | $1.00 | $0.41 |
| France | .42 | .21 | 1.22 | .44 |
| Belgium | .42 | .21 | .98 | .43 |
| Italy | .45 | .24 | 1.08 | .50 |
| Sweden | .45 | .24 | .85 | .49 |
| Egypt | .52 | .31 | 1.35 | .64 |

# TIDE CORRECTIONS

To obtain the time and height of high water at any place, apply the differences in accordance with the sign given to the daily predictions for Boston (Commonwealth Pier). Where a value in the "height difference" column is preceded by an*, the height at Boston should be multiplied by this ratio.

| | *Time Difference h.m.* | *Height Difference Ft.* |
|---|---|---|
| **MAINE** | | |
| Augusta | +3 50 | *0.4 |
| Bangor | −0 05 | +3.6 |
| Bar Harbor | −0 33 | +1.1 |
| Boothbay Harbor | −0 20 | −0.8 |
| Eastport | −0 28 | *1.9 |
| Old Orchard | −0 10 | −0.7 |
| Portland | −0 10 | −0.6 |
| Stonington | −0 30 | +0.2 |
| **NEW HAMPSHIRE** | | |
| Hampton | +0 15 | −1.2 |
| **MASSACHUSETTS** | | |
| Fall River | −3 16 | *0.5 |
| Falmouth | −0 40 | *1.1 |
| Hyannisport | +0 45 | *0.3 |
| Lynn | +0 05 | −0.2 |
| Marblehead | −0 05 | −0.3 |
| Marion | −3 16 | *0.4 |
| Monument Beach | −3 06 | *0.4 |
| Nantasket | +0 10 | +0.1 |
| Nantucket | +0 50 | *0.3 |
| New Bedford | −3 21 | *0.4 |
| Oak Bluffs | +0 05 | *0.2 |
| Onset | −3 06 | *0.5 |
| Plymouth | 0 00 | +0.1 |
| Provincetown | +0 15 | −0.3 |
| Scituate | −0 05 | −0.5 |
| Wellfleet | +0 20 | +0.6 |
| Woods Hole | −3 01 | *0.2 |
| **RHODE ISLAND** | | |
| Block Island | −3 21 | *0.3 |
| Narragansett Pier | −3 31 | *0.4 |
| Newport | −3 31 | *0.4 |
| Providence | −3 11 | *0.5 |
| Watch Hill | −2 06 | *0.3 |
| **CONNECTICUT** | | |
| Long Island Sound | −0 02 | *0.7 |
| New London | −1 47 | *0.3 |
| **NEW YORK** | | |
| Coney Island | −3 00 | *0.5 |
| Long Beach | −3 57 | *0.5 |
| Long Island Sound | +0 08 | *0.7 |
| New York City | −2 50 | *0.5 |
| Ocean Beach | −3 57 | *0.4 |
| Southampton | −3 22 | *0.3 |
| **NEW JERSEY** | | |
| Atlantic City | −3 57 | *0.5 |
| Bayside | −0 24 | *0.6 |
| Cape May | −3 37 | *0.5 |
| Ocean City | −3 17 | *0.4 |
| Seabright to Seaside Park | −3 44 | *0.5 |
| **PENNSYLVANIA** | | |
| Philadelphia | +2 29 | *0.5 |
| **DELAWARE** | | |
| Rehoboth | −3 37 | *0.4 |
| **MARYLAND** | | |
| Baltimore | −4 25 | *0.1 |
| Ocean City | −3 57 | *0.4 |
| **DISTRICT OF COLUMBIA** | | |
| Washington | −3 08 | *0.3 |
| **VIRGINIA** | | |
| Norfolk | −1 54 | *0.3 |
| Virginia Beach | −3 14 | *0.3 |
| **NORTH CAROLINA** | | |
| Beaufort | −2 59 | *0.3 |
| Carolina Beach | −3 30 | *0.4 |
| **SOUTH CAROLINA** | | |
| Myrtle Beach | −3 45 | *0.5 |
| Charleston | −3 15 | *0.5 |
| **GEORGIA** | | |
| St. Simon's Island | −2 51 | *0.7 |
| Savannah | −2 40 | *0.8 |
| Tybee Beach | −3 26 | *0.8 |
| **FLORIDA** | | |
| Daytona | −3 20 | *0.4 |
| Fort Lauderdale | −2 15 | *0.3 |
| Jacksonville | −0 40 | *0.1 |
| Miami | −3 00 | *0.3 |
| Palm Beach | −3 20 | *0.3 |
| Port Everglades | −2 15 | *0.3 |
| St. Augustine | −2 20 | *0.5 |
| St. Petersburg | +3 53 | *0.2 |
| **WASHINGTON** | | |
| Ilwaco | +1 44 | −3.5 |
| Port Townsend | +5 04 | *0.5 |
| Seattle | +5 37 | −2.0 |
| **OREGON** | | |
| Astoria | +1 37 | −3.3 |
| Cape Arago | +1 19 | −4.8 |
| Yaquina Head | +1 12 | −3.7 |
| **CALIFORNIA** | | |
| Catalina Island | −1 33 | −5.9 |
| Crescent City | +0 56 | −5.0 |
| Eureka | +1 29 | −5.0 |
| Long Beach | −1 37 | −5.5 |
| Monterey | −0 03 | *0.4 |
| Point Mendocino | +0 24 | *0.4 |
| San Diego | −1 35 | −5.9 |
| San Francisco | +0 59 | *0.4 |
| Santa Barbara | −1 19 | −6.0 |
| Santa Cruz | +0 08 | *0.4 |

**Example:** The figures for Full Sea in Columns 11 and 12 of the left hand Almanac pages 12–34 are the times of high tide at Commonwealth Pier in Boston Harbor. The heights of these tides are given on the right hand pages 13–35. The heights are reckoned from Mean Low Water: each day has a set of figures—upper for the morning—and lower for the evening. Since Gulf ports are not beset with the tidal problems of ports on the open ocean, the conversion of the times of the tides at Boston to those of Miami is given by way of illustration.

See page 18, column 11.

| BOSTON | | MIAMI | |
|---|---|---|---|
| High Tide (from page 18) April 1 | 4.15 P.M.E.S.T. | High tide (Boston) | 4.15 P.M. |
| | | Correction above | −3.00 |
| | | High tide (Miami) | 1.15 P.M.E.S.T. |
| Height (from page 19) | 7.7 feet | Height (Miami) (7.7 x 0.3) | 2.3 feet |

# WEATHER TABLE,

## For foretelling the Weather through all the lunations of each year, forever.

This table, and the accompanying remarks, are the result of many years' actual observation, the whole being constructed on a due consideration of the attraction of the sun and moon, in their several positions respecting the earth, and will, by simple inspection, show the observer what kind of weather will most probably follow the entrance of the moon into any of its quarters, and that so near the truth as to be seldom or never found to fail.

This weather table will answer very well for anywhere in the United States. It is taken from the 1849 issue of The Old Farmer's Almanac and was widely used before the advent of the Weather Bureau.

The weather forecasts as given on the right hand pages of the Farm Calendars on pages 13 through 35 are strictly for Boston and East of the Hudson River. These forecasts contain elements which rise in the proximity of this region to the sea and to the paths of tropical storms. The application of these forecasts to middle western, western, and southern regions will not bring any reasonable degree of accuracy. However, for a rough rule of thumb if you insist on using the forecast on pages 13-35, you may subtract one day for each time zone West of the Hudson to compensate for the Easterly path of continental storms. For every hundred miles north or south of 42 degrees latitude, add a five degree temperature (colder if north, warmer if south) differential and for every 1000 feet above sea level consider your locality as five degrees cooler than the weather as given.

## WEATHER TABLE FOR ANYWHERE

| Moon | Time of Change | In Summer | In Winter |
|---|---|---|---|
| If the new moon, 1st quarter, full moon, or last quarter happens. | From Midnight to 2 A.M. | Fair | Hard frost, unless wind be S. or W. |
| | From 2 A.M. to 4 A.M. | Cold, with frequent showers | Snow and stormy |
| | From 4 A.M. to 6 A.M. | Rain | Rain |
| | From 6 A.M. to 8 A.M. | Wind and Rain | Stormy |
| | From 8 A.M. to 10 A.M. | Changeable | Cold Rain if wind be W.; Snow if E. |
| | From 10 A.M. to Noon | Frequent Showers | Cold & high wind. |
| | From Noon to 2 P.M. | Very rainy | Snow or rain. |
| | From 2 P.M. to 4 P.M. | Changeable | Fair & mild. |
| | From 4 P.M. to 6 P.M. | Fair | Fair. |
| | From 6 P.M. to 8 P.M. | Fair — if wind N.W. Rain — if S. or S.W. | Fair & frosty if wind N. or N.E.: Rain or snow if wind S. or S.W. |
| | From 8 P.M. to 10 P.M. | Same as from 6 P.M. to 8 P.M. | |
| | From 10 P.M. to Midnight | Fair | Fair & frosty. |

*Observations.* — 1. The nearer the moon's changes, first quarter, full, and last quarter are to *midnight*, the fairer will it be during the next seven days.

2. The space for this calculation occupies from ten at night till two next morning.

3. The nearer to *midday*, or *noon*, the phases of the moon happen, the more foul or wet weather may be expected during the next seven days.

4. The space for this calculation occupies from ten in the forenoon to two in the afternoon. These observations refer principally to the summer, though they affect spring and autumn nearly in the same ratio.

5. The moon's change, first quarter, full and last quarter, happening during six of the afternoon hours, i.e., from four to ten, may be followed by fair weather; but this is mostly dependent on the *wind*, as is noted in the table.

6. Though the weather, from a variety of irregular causes, is more uncertain in the latter part of autumn, the whole of winter, and the beginning of spring, yet, in the main, the above observations will apply to those periods also.

7. To prognosticate correctly, especially in those cases where the *wind* is concerned, the observer should be within sight of a good *vane*, where the four cardinal points of the heavens are correctly placed.

*The above table was originally formed by Dr. Herschell, and is now published with some alterations founded on the experience of Dr. Adam Clarke.*

## TO THE WEATHER-WISE

Dr. Foster, of Bruges, who is well known as a meteorologist, declares that, by journals of the weather kept by his grandfather, father, and himself, ever since 1767, to the present time, *whenever the new moon has fallen on a Saturday, the following twenty days have been wet and windy*, in nineteen cases out of twenty.

# GLOSSARY OF ASTRONOMICAL TERMS, ETC.

**An. Ecl.** . . . see Eclipse, Annular.
**Aph. — Aphelion** . . . Planet revolving about Sun reaches point in its orbit farthest away from the Sun.
**Apo. — Apogee** . . . Moon reaches point in its orbit farthest from Earth.
**Appulse** . . . if during eclipse Moon passes only through the penumbra.
**Aspect** . . . description of the relative position of two or more bodies in the solar system. These are described by signs, etc., on the calendar pages thus ☌ ☍ △, etc. By consulting the meaning of the signs and aspects on page 11, you will arrive at the meaning for the "sign language" used on pages 12-35, viz., Conjunction (☌) of Mars (♂) and the Jupiter (♃) occurs on this day. (See par. 2, page 11.)
**Conj. — conjunction** . . . moment of closest approach to each other of any two heavenly bodies.
**conscr.** . . . consecrated.
**declination** (see top left hand calendar pages) . . . measure of angular distance any celestial object lies perpendicularly north or south of celestial equator. Exactly analogous to terrestrial latitude. OFA gives declination at time each day the Sun is due South.
**Dominical Letter** . . . used in reckoning civil calendars.
**Eclipse** . . . conjunction or opposition of sun and moon occurs with moon at or near a node.
**Eclipse, annular** . . . when sunlight shows around the Moon during the eclipse.
**Eclipse, lunar** . . . opposition of Sun and Moon with moon at or near node.
**Eclipse, solar** . . . conjunction of Sun and Moon with Moon at or near node.
**Ecliptic** . . . that circle in which the plane of the orbit of the Earth about the Sun would if extended cut the celestial sphere — or the apparent path of the Sun in the sky in a year due to the Earth's revolution about the Sun each year.
**El. — elongation** . . . apparent angular distance of a member of the solar system from the Sun as seen from the Earth.
**Epact** . . . used in reckoning ecclesiastical calendars, age of calendar moon Jan. 1.
**Eq.** . . . equator.
**Equinox, autumnal** . . . Sun passes from northern to southern hemisphere. Fall.
**Equinox, vernal** . . . sun passes from southern to northern hemisphere. Spring.
**E.S.T.** . . . Eastern Standard Time.
**Full Sea** (Morn and Eve) . . . the time the tide is high in the morning and in the evening at Commonwealth Pier, Boston. A correction table in the OFA also adjusts this time for other places. (See page 100.)
**Gr. El.** . . . greatest elongation.
**Geocentric** . . . measure of celestial longitude and latitude when observer is at center of the Earth.
**Golden Number** . . . used in reckoning civil calendars.
**Heliocentric** . . . measure of celestial longitude and latitude when observer is at center of the Sun.
**Inf. — Inferior** . . . Inferior conjunction is when the Planet is between the Sun and the Earth.
**Julian Period** . . . First year was 4713 B.C. Its length is 7980 years.
**Key** . . . columns of letters marked thus refer to correction table on page 103-107 so that the times given may be adjusted to localities other than Boston.
**Lat. — latitude.**
**Moon's Age** . . . average time elapsing between new moons (max. 29½ days). Calculated when Moon is due South.
(☽) First Quarter . . . moon in quadrature East or one half of the side of the moon toward the earth is illuminated.
(○) Full Moon . . . moon reaches opposition.
(☾) Last Quarter . . . moon in quadrature West.
(●) New Moon . . . Sun and Moon in conjunction.
**Moon's Phases** . . . Aspects of Moon and Sun.
**Moon's Place** . . . Moon's position in the Zodiac when due South or which "sign" it is in. See page 11 — par. 3.
**Moon Rise and Set** . . . as used in the OFA apply only to risings and settings between sunset and sunrise . . . or during the night.
**Moon Runs High or Low** . . . day of month Moon Souths highest or lowest above the horizon.
**Moon Souths** . . . Moon exactly above South point of observer's horizon.
**Node** . . . when a Planet or Moon in its motion crosses the ecliptic.
**Node, Ascending** . . . Planet or Moon crosses ecliptic from South to North.
**Node, Descending** . . . Planet or Moon crosses ecliptic from North to South.
**Occultations** . . . eclipses of Stars by the Moon.
**Opposition** . . . time when Sun, and Moon or Planet appear on opposite sides of the sky (elongation 180 degrees).
**O.S. — Old Style** . . . was when calendar was eleven days "out of whack." In September, 1752, the 3rd was reckoned as the 14th, to make present calendar.
**Penumbra** . . . concentric area of partial shadow around the umbra.
**Peri. — Perigee** . . . Moon reaches point in its orbit closest to Earth.

# USE THIS ALMANAC ANYWHERE IN THE U. S. A.

The times given on the left hand calendar pages (12 to 34) are calculated (every astronomer must have some starting place) exactly for the latitude (42 deg. 22 min. north) and longitude of Boston and in EASTERN STANDARD TIME which is the time of the 75th meridian West of Greenwich, England.

To overcome the difficulties of presenting one almanac which shall be useful not only for the spot where the astronomer is standing but also for other places, it has been customary to present three or four extra latitude columns — which at best give but a small measure of the desired accuracy. The Old Farmer's Almanac adopted a unique, copyrighted system of its own some years ago whereby the times as given may be corrected for wherever you happen to live by the use of the Almanac Data tables on pages 104 through 107.

Opposite the times given on the left hand calendar pages (12–34) for each day in the year for the Rising and Setting of the Sun, Moon and Planets you will find a capitalised letter of the alphabet. Turning to pages 106 and 107 you will find columns for each of these letters as well as number of cities listed. If you live in one of those cities, simply read off the minus or plus number of minutes in the column under the alphabetical letter and correct the times given on pages 12–34. If your city is not listed, enter the corrections table on pages 106 and 107 in that section, the longitude of which is nearest your town's and, using your town's latitude, interpolate between the corrections shown for various latitudes for figures to insert in Columns A to Q for your town in the space below.

Modify these figures by four minutes for each degree of difference of longitude between the longitude of your town and the longitude of the table chosen as nearest it. Add this modification if your town's longitude is greater than the table's longitude, subtract it if it is lesser.

The net figures resulting from this modification will be those to use in correcting the Almanac figures for Boston to give the standard times for your town. The figure for insertion in the Moon column (☽) is derived by interpolating between longitudes to fit the longitude of your town. For examples, see next page.

| | A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | ☽ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | m | |
| YOUR TOWN | | | | | | | | | | | | | | | | | | |
| Lat. | | | | | | | | | | | | | | | | | | |
| Lo. | | | | | | | | | | | | | | | | | | |

## GLOSSARY *(Continued)*

**Peri. — Perihelion . . .** Planet revolving about the Sun reaches point in its orbit closest to Sun.

**Quadrature . . .** Moon or Planet lies a quarter turn of the sky from the Sun.

**R.A. — Right Ascension . . .** the measure Eastward along the celestial equator of any celestial body from the vernal equinox to the point where the circle which passes through the object perpendicular to the celestial equator intersects the latter.

**Rain . . .** drops large enough to splatter on the old man's bald head.

**Roman Indiction . . .** used in reckoning ecclesiastical calendars.

**Snow . . .** when a cat's tracks are visible on the barn roof.

**Solar Cycle . . .** used in reckoning civil calendars.

**Solstice, Summer . . .** point at which the Sun is farthest north of the celestial equator, passing overhead on the Tropic of Cancer. Beginning of Summer.

**Solstice, Winter . . .** limit of Sun's journey south of the celestial equator, passing overhead on the Tropics of Capricorn. Beginning of Winter.

**Star, Evening . . .** above horizon at Sunset.

**Star, Morning . . .** above horizon at Sunrise.

**Stat. — stationary . . .** when the apparent movement of a Planet against the background of Stars stops — just before same comes to opposition.

**Sunrise and Sunset . . .** visible rising and setting of Sun's upper limb across the unobstructed horizon of an observer whose eyes are 15 feet above ground level.

**Sun Fast . . .** the times given in this column must be subtracted from your Sun Dial to arrive at the correct time.

**Sup. — Superior . . .** Superior Conjunction is when the Sun is between the Planet and the Earth.

**Twilight . . .** begins or ends when stars of the sixth magnitude disappear or appear at the Zenith — or the Sun is appr. 18 degrees below the horizon.

**Umbra . . .** deep shadow through which the Moon passes during eclipse.

**Underground Moon . . .** one which changes its phases between 12 M. and 1 A.M.

**Weather Indications . . .** in italics on the right hand calendar pages indicate the weather over, as a rule, three or four days time as shown by the spread of the words down the page.

**Zenith . . .** point in heavens directly over observer's head.

**Zodiac . . .** sixteen degree sky road outside of which moon and planets never wander. It is divided into twelve equal divisions called the Signs of the Zodiac, and forms much of the basis of some astrology — and superstition. See page 11 — par. 3 and page 37.

## EXAMPLES OF HOW TIMES GIVEN PAGES 12-35 ARE TO BE CORRECTED FOR YOUR HOME TOWN

*Also, see page 103.*

**Sunrise and Sunset.** The times of sunrise and sunset at Boston on April 11 are read directly from columns 4 and 6 on page 18. The key letters adjacent to these times, in columns 5 and 7, are indices to the table on page 106 whereby the times of sunrise and sunset at Boston are converted into those for other key cities, to wit:—

| BOSTON | | | HOUSTON, TEXAS | |
|---|---|---|---|---|
| Sunrise | 5.09 | A.M.E.S.T. | Sunrise (Boston) | 5.0J A.M.E.S.T. |
| Key Letter | | G | Correction (Column G, page 108) | +:49 |
| | | | Sunrise (Houston) | 5:58 A.M.C.S.T. |
| Sunset | 6:22 | P.M.E.S.T. | Sunset (Boston) | 6:22 P.M.E.S.T. |
| Key letter | | K | Correction (Column K, page 108) | +:24 |
| | | | Sunset (Houston) | 6.46 P.M.C.S.T. |

**Sun Fast.** The column headed "Sun Fast" is of primary use to sundial enthusiasts. The figures therein tell how fast on each day the time indicated by a *properly adjusted and graduated* sundial will be of the time indicated by a clock. On April 11 sun time in Boston will be 15 minutes Fast of Eastern Standard Time. The time indicated by a sundial located elsewhere than in Boston is converted to clock time by applying two corrections, the "Sun Fast" correction for Boston and that for the locality given in Column I of the table on page 106 or 107.

**Dawn and Dark.** The approximate times dawn will break and dark descend are found by applying the length of twilight taken from the table below to the times of sunrise and sunset given on the calendar pages. The latitude of the locality determines the column of the table from which the length of twilight is to be selected.

| BOSTON (Latitude 42° 22′ N.) | | NORFOLK, VA. (Latitude 36° 51′ N.) | |
|---|---|---|---|
| Sunrise | 5:09 A.M. | Sunrise | 5:58 A.M. |
| Subtract length of twilight (Column 4 of table) | 1:39 | Subtract length of twilight (Column 4 of table) | 1:28 |
| Dawn breaks | 3:30 A.M.E.S.T. | Dawn breaks | 4:30 A.M.C.S.T. |
| Sunset | 6:22 P.M. | Sunset | 6:46 P.M. |
| Add length of twilight | 1:39 | Add length of twilight | 1:28 |
| Dark descends | 8:01 P.M.E.S.T. | Dark descends | 8:14 P.M.C.S.T. |

### LENGTH OF TWILIGHT

Subtract from time of sunrise for dawn.
Add to time of sunset for dark.

| Latitude | 25°N to 30°N | 31°N to 36°N | 37°N to 42°N | 43°N to 47°N | 48°N to 49°N |
|---|---|---|---|---|---|
| | h m | h m | h m | h m | h m |
| Jan. 1 to Apr. 11 | 1 20 | 1 26 | 1 33 | 1 42 | 1 50 |
| Apr. 11 to May 3 | 1 23 | 1 28 | 1 39 | 1 51 | 2 04 |
| May 3 to May 15 | 1 26 | 1 34 | 1 47 | 2 02 | 2 22 |
| May 15 to May 26 | 1 29 | 1 38 | 1 52 | 2 13 | 2 42 |
| May 26 to July 23 | 1 32 | 1 43 | 1 59 | 2 27 | — |
| July 23 to Aug. 4 | 1 29 | 1 38 | 1 52 | 2 13 | 2 42 |
| Aug. 4 to Aug. 15 | 1 26 | 1 34 | 1 47 | 2 02 | 2 22 |
| Aug. 15 to Sept. 6 | 1 23 | 1 28 | 1 39 | 1 51 | 2 04 |
| Sept. 6 to Dec. 31 | 1 20 | 1 26 | 1 33 | 1 42 | 1 50 |

**Length of Day.** The figures in the column headed "Length of Day" give directly the length of time the Sun will be above the horizon at Boston. The length of day in other localities is found by subtracting the time of sunrise from that of sunset for each locality. (See *Sunrise and Sunset* above.)

| BOSTON | | HOUSTON, TEXAS | |
|---|---|---|---|
| Length of day (From calendar pages) | 13h 13m | Sunset | 6:46 P.M. |
| | | Sunrise | 5:58 A.M. |
| | | Length of Day | 12h 48m |

**Moonrise and Moonset.** The procedure for finding the times of moonrise and moonset follows that for finding those of sunrise and sunset except that the constant additional correction taken from Column ☽ on pages 106, 107 must be applied.

| BOSTON | | HOUSTON | |
|---|---|---|---|
| Moonrise | 8:19 P.M., E.S.T. | Moonrise (Boston) | 8:19 P.M. |
| Key letter | N | Correction (Column N, page 106) | +:06 |
| | | Correction (Column ☽, page 106) | +:04 |
| | | Moonrise (Houston) | 8:29 P.M.,C.S.T. |

**Moon Souths.** The time the moon souths in Boston is converted to the time it is due south in a locality other than Boston by applying the appropriate corrections from Columns I and ☽ on page 106.

| BOSTON | | HOUSTON | |
|---|---|---|---|
| Moon souths | 12:19 A.M., E.S.T. | Moon souths (Boston) | 12:19 A.M. |
| | | Correction (Column I, page 106) | +:37 |
| | | Correction (Column ☽, page 106) | +:04 |
| | | Moon souths (Houston) | 1:00 A.M.,C.S.T. |

The other information concerning the Moon contained on the left hand Almanac pages applies without correction throughout the United States.

**Risings and Settings of the Planets.** The times of the rising and setting of the naked eye Planets with the exception of Mercury are given for Boston in the table on page 4. The procedure for converting these times to those of other localities follows that for converting the times of sunrise and sunset given on page 104.

## AVERAGE DATES FIRST AND LAST KILLING FROSTS

| | | | |
|---|---|---|---|
| Boston | Apr. 14 — Oct. 26 | Richmond | Mar. 31 — Nov. 2 |
| Albany | Apr. 24 — Oct. 15 | Raleigh | Mar. 27 — Nov. 5 |
| Harrisburg | Apr. 9 — Oct. 28 | Macon | Mar. 14 — Nov. 14 |
| Cincinnati | Apr. 8 — Oct. 23 | Del Rio | Feb. 23 — Nov. 27 |
| Toledo | Apr. 22 — Oct. 18 | Helena | May 7 — Sept. 29 |
| Chicago | Apr. 16 — Oct. 19 | Santa Fe | Apr. 25 — Oct. 19 |
| Detroit | Apr. 28 — Oct. 15 | Tucson | Mar. 11 — Nov. 9 |
| Duluth | May 6 — Oct. 5 | Yuma | Jan. 20 — Dec. 20 |
| Bismarck | May 11 — Sept. 21 | Portland, Ore. | Mar. 15 — Nov. 21 |
| Omaha | Apr. 14 — Oct. 15 | San Francisco | Jan. 13 — Dec. 29 |
| Portland, Maine. | Apr. 19 — Oct. 17 | Parkersburg | Apr. 17 — Oct. 18 |
| Hartford | Apr. 20 — Oct. 13 | Oklahoma City | Mar. 30 — Nov. 3 |
| Evansville | Apr. 5 — Oct. 29 | Denver | May 3 — Oct. 10 |
| Cairo | Mar. 31 — Oct. 29 | Spokane | Apr. 14 — Oct. 13 |
| Minneapolis | Apr. 27 — Oct. 10 | Salt Lake City | Apr. 18 — Oct. 20 |
| Concord, N. H. | May 7 — Oct. 3 | | |

# ALMANAC DATA — ALL POINTS IN U.S.A.

## TABLE FOR FINDING TIMES OF SUNRISE, SUNSET, MOONRISE, MOONSET, AND RISING AND SETTING OF PLANETS TO WITHIN 5 MIN. ACCURACY ANYWHERE IN U. S. A.

(See explanation on preceding pages 103-105.)

| ZONES Lo. | Lat. | | A m | B m | C m | D m | E m | F m | G m | H m | I m | J m | K m | L m | M m | N m | O m | P m | Q m | ☽ Moon |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Your Town: To find the corrections for your town, see instructions on page 103 | | | | | | | | | | | | | | | | | | | | |
| Eastern Standard Time | 67°W | 45°N | Eastport, Me. | −28 | −27 | −25 | −23 | −22 | −20 | −19 | −17 | −16 | −14 | −13 | −11 | −10 | − 8 | − 7 | − 5 | − 4 | −1 |
| | 69°W | 45°N | Bangor, Me. | −21 | −20 | −18 | −17 | −15 | −13 | −12 | −11 | − 9 | − 8 | − 6 | − 4 | − 3 | − 2 | 0 | 2 | 3 | 0 |
| | 69°W | 44° | Rockland, Me. | −16 | −15 | −14 | −13 | −12 | −11 | −10 | − 9 | − 8 | − 7 | − 6 | − 5 | − 4 | − 3 | − 2 | − 1 | 0 | 0 |
| | 71°W | 45°N | Rangeley, Me. | −14 | −13 | −11 | − 9 | − 8 | − 6 | − 5 | − 3 | − 2 | 0 | 1 | 3 | 4 | 6 | 7 | 9 | 10 | 0 |
| | 71°W | 43° | Portsmouth, N.H. | − 4 | − 3 | − 3 | − 3 | − 2 | − 2 | − 2 | − 1 | − 1 | − 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 |
| | 71°W | 41° | Newport, R.I. | 5 | 5 | 4 | 4 | 3 | 3 | 2 | 1 | 1 | 0 | 0 | 0 | − 1 | − 2 | − 2 | − 3 | − 3 | 0 |
| | 73°W | 45°N | St. Albans, Vt. | − 4 | − 3 | − 1 | 1 | 2 | 4 | 5 | 7 | 8 | 10 | 11 | 13 | 14 | 16 | 17 | 19 | 20 | 0 |
| | 73°W | 43° | Bennington, Vt. | 2 | 2 | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 0 |
| | 73°W | 41° | New Haven, Conn. | 13 | 12 | 11 | 11 | 10 | 9 | 9 | 8 | 7 | 7 | 6 | 6 | 5 | 4 | 3 | 3 | 2 | 0 |
| | 75°W | 45°N | Massena, N.Y. | 3 | 5 | 6 | 8 | 10 | 11 | 13 | 14 | 15 | 17 | 19 | 20 | 22 | 23 | 25 | 26 | 28 | 1 |
| | 75°W | 43° | Utica, N.Y. | 14 | 14 | 15 | 15 | 15 | 16 | 16 | 16 | 17 | 17 | 17 | 18 | 18 | 18 | 19 | 19 | 19 | 1 |
| | 75°W | 41° | Stroudsburg, Pa. | 23 | 22 | 21 | 20 | 20 | 19 | 18 | 17 | 16 | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 1 |
| | 75°W | 40° | Philadelphia, Pa. | 28 | 26 | 25 | 23 | 22 | 21 | 19 | 18 | 17 | 15 | 14 | 13 | 11 | 10 | 8 | 7 | 6 | 1 |
| | 75°W | 36° | ..... | 42 | 39 | 36 | 32 | 29 | 25 | 22 | 19 | 16 | 12 | 8 | 5 | 2 | − 1 | − 5 | − 8 | −11 | 1 |
| | 80°W | 44°N | Toronto, Canada | 27 | 28 | 29 | 30 | 31 | 31 | 32 | 33 | 33 | 34 | 35 | 36 | 37 | 37 | 38 | 39 | 39 | 1 |
| | 80°W | 40° | Pittsburgh, Pa. | 44 | 43 | 42 | 41 | 40 | 39 | 38 | 36 | 35 | 34 | 33 | 32 | 31 | 30 | 29 | 27 | 26 | 1 |
| | 80°W | 36° | Greensboro, N.C. | 61 | 59 | 56 | 52 | 49 | 45 | 42 | 38 | 35 | 31 | 28 | 25 | 22 | 18 | 15 | 11 | 8 | 1 |
| | 80°W | 32° | ..... | 75 | 72 | 67 | 61 | 56 | 51 | 46 | 41 | 36 | 30 | 25 | 20 | 15 | 10 | 5 | 0 | − 5 | 1 |
| | 80°W | 30° | Jacksonville, Fla. | 82 | 78 | 72 | 66 | 61 | 55 | 49 | 43 | 36 | 31 | 24 | 18 | 12 | 6 | 0 | − 6 | −10 | 1 |
| | 80°W | 26° | Miami, Fla. | 94 | 89 | 82 | 74 | 67 | 59 | 52 | 44 | 37 | 29 | 21 | 14 | 6 | − 1 | − 8 | −16 | −23 | 1 |
| | 85°W | 44°N | Cadillac, Mich. | 49 | 50 | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 59 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 2 |
| | 85°W | 40° | Dayton, Ohio | 65 | 63 | 62 | 60 | 59 | 57 | 55 | 54 | 52 | 51 | 49 | 48 | 46 | 45 | 43 | 42 | 41 | 2 |
| | 85°W | 36° | *Knoxville, Tenn. | 78 | 75 | 72 | 68 | 65 | 61 | 58 | 55 | 52 | 48 | 44 | 41 | 38 | 35 | 31 | 28 | 25 | 2 |
| | 85°W | 32° | Columbus, Ga. | 93 | 90 | 85 | 80 | 75 | 70 | 65 | 60 | 56 | 51 | 46 | 40 | 35 | 30 | 26 | 21 | 17 | 2 |
| | 85°W | 30° | Tallahassee, Fla. | 97 | 93 | 88 | 82 | 76 | 70 | 64 | 58 | 52 | 46 | 40 | 34 | 28 | 23 | 18 | 12 | 7 | 2 |
| | 90°W | 48°N | Grand Portage, Mich. | −14 | −10 | − 7 | − 3 | 1 | 4 | 8 | 12 | 15 | 17 | 22 | 26 | 30 | 33 | 37 | 41 | 46 | 3 |
| | 90°W | 44° | Stevens Point, Wis. | 4 | 5 | 6 | 7 | 8 | 10 | 11 | 12 | 13 | 14 | 16 | 17 | 18 | 19 | 21 | 22 | 23 | 3 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Central Standard Time | 90°W | 40° | Springfield, Ill. | 26 | 25 | 24 | 22 | 21 | 19 | 18 | 16 | 15 | 13 | 11 | 10 | 9 | 7 | 5 | 4 | 3 | 3 |
| | 90°W | 36° | Memphis, Tenn. | 44 | 41 | 38 | 34 | 30 | 27 | 23 | 19 | 16 | 11 | 8 | 4 | 1 | − 3 | − 7 | −11 | −14 | 3 |
| | 90°W | 32° | Jackson, Miss. | 55 | 52 | 47 | 42 | 36 | 31 | 26 | 21 | 17 | 10 | 5 | 0 | − 4 | −10 | −14 | −18 | −23 | 3 |
| | 90°W | 30° | New Orleans, La. | 61 | 57 | 52 | 46 | 39 | 33 | 27 | 21 | 16 | 8 | 2 | − 4 | − 9 | −15 | −21 | −26 | −31 | 3 |
| | 95°W | 48°N | Bemidji, Minn. | 10 | 12 | 15 | 19 | 22 | 26 | 29 | 32 | 35 | 39 | 42 | 45 | 48 | 52 | 55 | 58 | 63 | 4 |
| | 95°W | 44° | Windom, Minn. | 30 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 42 | 43 | 4 |
| | 95°W | 40° | St. Joseph, Mo. | 47 | 46 | 44 | 42 | 41 | 39 | 38 | 36 | 35 | 33 | 32 | 30 | 29 | 27 | 26 | 24 | 23 | 4 |
| | 95°W | 36° | Wagner, Okla. | 63 | 61 | 58 | 54 | 51 | 47 | 44 | 40 | 37 | 33 | 30 | 27 | 24 | 20 | 17 | 13 | 10 | 4 |
| | 95°W | 32° | Tyler, Texas | 75 | 71 | 67 | 61 | 56 | 51 | 46 | 41 | 36 | 30 | 25 | 20 | 16 | 11 | 6 | 1 | − 3 | 4 |
| | 95°W | 30° | Houston, Texas | 83 | 79 | 74 | 68 | 61 | 55 | 49 | 42 | 37 | 30 | 24 | 17 | 11 | 6 | 0 | − 5 | −10 | 4 |
| | 95°W | 26° | ..... | 93 | 88 | 81 | 73 | 65 | 58 | 50 | 42 | 36 | 27 | 19 | 12 | 4 | − 3 | −10 | −17 | −23 | 4 |
| | 100°W | 48°N | Rugby, N.D. | 26 | 31 | 35 | 38 | 43 | 46 | 51 | 54 | 58 | 62 | 66 | 70 | 74 | 78 | 82 | 86 | 92 | 4 |
| | 100°W | 44° | Pierre, S.D. | 48 | 49 | 50 | 52 | 53 | 54 | 55 | 56 | 57 | 59 | 60 | 61 | 62 | 64 | 65 | 66 | 67 | 4 |
| | 100°W | 40° | *McCook, Neb. | 68 | 67 | 66 | 64 | 63 | 62 | 60 | 59 | 58 | 57 | 55 | 54 | 53 | 52 | 50 | 49 | 48 | 4 |
| | 100°W | 36° | Woodward, Okla. | 78 | 76 | 72 | 69 | 66 | 63 | 59 | 56 | 53 | 50 | 46 | 43 | 41 | 37 | 34 | 31 | 28 | 4 |
| | 100°W | 32° | Abilene, Texas | 92 | 88 | 84 | 79 | 74 | 68 | 63 | 58 | 53 | 48 | 43 | 38 | 34 | 29 | 24 | 20 | 15 | 4 |
| | 100°W | 28° | Laredo, Texas | 106 | 102 | 95 | 88 | 81 | 74 | 67 | 60 | 54 | 45 | 39 | 31 | 25 | 18 | 11 | 6 | − 1 | 4 |
| Mountain Standard Time | 105°W | 48°N | Sidney, Mont. | −15 | −12 | − 8 | − 5 | − 1 | 3 | 6 | 9 | 12 | 16 | 20 | 23 | 26 | 30 | 34 | 37 | 42 | 5 |
| | 105°W | 44° | Newcastle, Wyo. | 6 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 18 | 19 | 5 |
| | 105°W | 40° | Denver, Colo. | 28 | 26 | 25 | 23 | 22 | 20 | 19 | 17 | 16 | 14 | 12 | 11 | 10 | 8 | 6 | 5 | 4 | 5 |
| | 105°W | 36° | Las Vegas, N.Mex. | 44 | 41 | 38 | 34 | 31 | 27 | 23 | 20 | 17 | 12 | 8 | 5 | 2 | − 1 | − 5 | − 9 | −12 | 5 |
| | 105°W | 32° | Carlsbad, N.Mex. | 51 | 47 | 42 | 37 | 32 | 27 | 22 | 17 | 13 | 7 | 0 | − 3 | − 8 | −13 | −17 | −22 | −26 | 5 |
| | 105°W | 28° | Chihuahua, Mexico | 70 | 65 | 59 | 53 | 46 | 39 | 33 | 26 | 20 | 12 | 6 | − 1 | − 7 | −14 | −19 | −25 | −31 | 5 |
| | 112°W | 48°N | Great Falls, Mont. | 15 | 18 | 21 | 25 | 28 | 32 | 35 | 38 | 41 | 45 | 48 | 51 | 54 | 58 | 61 | 64 | 69 | 6 |
| | 112°W | 44° | Madison, Idaho | 36 | 37 | 38 | 39 | 40 | 41 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 47 | 48 | 49 | 50 | 6 |
| | 112°W | 40° | Provo, Utah | 53 | 52 | 50 | 49 | 47 | 46 | 45 | 44 | 43 | 41 | 40 | 39 | 38 | 36 | 35 | 33 | 32 | 6 |
| | 112°W | 36° | Flagstaff, Ariz. | 71 | 68 | 65 | 61 | 57 | 53 | 49 | 46 | 42 | 38 | 34 | 31 | 27 | 24 | 20 | 16 | 13 | 6 |
| | 112°W | 32° | Tucson, Ariz. | 78 | 75 | 70 | 65 | 60 | 54 | 49 | 44 | 39 | 34 | 29 | 24 | 19 | 14 | 9 | 5 | 0 | 6 |
| Pacific Standard Time | 117°W | 48°N | Spokane, Wash. | −23 | −19 | −16 | −12 | − 9 | − 5 | − 2 | 2 | 5 | 9 | 12 | 16 | 19 | 22 | 26 | 29 | 35 | 7 |
| | 117°W | 44° | Baker, Ore. | − 4 | − 3 | − 1 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 10 | 11 | 12 | 13 | 14 | 16 | 17 | 7 |
| | 117°W | 40° | Austin, Nev. | 17 | 15 | 14 | 12 | 10 | 9 | 7 | 6 | 4 | 2 | 1 | − 1 | − 3 | − 4 | − 6 | − 8 | − 9 | 7 |
| | 117°W | 36° | Ballarat, Cal. | 31 | 28 | 25 | 21 | 18 | 15 | 11 | 8 | 5 | 1 | − 2 | − 6 | − 9 | −12 | −16 | −19 | −23 | 7 |
| | 117°W | 32° | San Diego, Cal. | 44 | 38 | 34 | 29 | 24 | 19 | 14 | 9 | 4 | − 1 | − 6 | −11 | −16 | −21 | −26 | −30 | −35 | 7 |
| | 123°W | 49°N | Bellingham, Wash. | − 8 | − 3 | 1 | 5 | 10 | 14 | 18 | 22 | 26 | 30 | 35 | 39 | 43 | 47 | 52 | 56 | 62 | 8 |
| | 123°W | 46° | Astoria, Ore. | 12 | 14 | 17 | 19 | 22 | 24 | 27 | 29 | 31 | 34 | 36 | 38 | 41 | 43 | 45 | 48 | 51 | 8 |
| | 123°W | 42° | Medford, Ore. | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 8 |
| | 123°W | 38° | San Francisco, Cal. | 45 | 43 | 41 | 38 | 36 | 33 | 30 | 28 | 25 | 23 | 20 | 18 | 16 | 13 | 10 | 8 | 6 | 8 |
| | 123°W | 34° | ..... | 61 | 57 | 53 | 49 | 45 | 40 | 36 | 32 | 28 | 23 | 19 | 15 | 10 | 6 | 2 | − 3 | − 6 | 8 |

* The correction figures given for Knoxville and McCook yield standard times one hour fast of those normally used there.

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**STANDARD TIME IS USED THROUGHOUT THIS ALMANAC**

## CYPHER CONTEST WINNERS

Winner of the Cypher Contest announced on Page 96 of the 1951 Old Farmer's Almanac are as follows: First Prize (Fifty Dollars) to A. K. Marshall, 28 East 31 Street, New York 16, N.Y. Second Prize (Thirty Dollars) to James Thrift, 1205 E. Portland St., Phoenix, Arizona. Third Prize (Ten Dollars) to Doris V. Gallant, c/o Mrs. A. Nichols, Searsport, Maine. Page 112, lines 3 & 4, was correct and the winning 13 word, 2 line verse was,

"Bright lights,
Old Friends, make glad the New Year."

## THIS YEAR'S CONTEST

All entries must be received by Yankee, Inc., Dublin, N.H. by midnight August 14, 1952 and remain property of Yankee, Inc. None returned. Staff of YANKEE Magazine sole judge of winners. No employee of YANKEE, INC. may enter. First Prize, $25.00; Second Prize, 15.00; Third Prize, $5.00. In case of tie between winning entries, prize money will be lumped and divided evenly. Prizes will be announced in the 1953 edition of The Old Farmer's Almanac, and winners notified by mail upon publication date. Using new cypher number 39, 32, give us a 6 word verse to rhyme with the line the cypher indicates. If this cypher number puzzles you take a glance at page 96, 1951 edition.

THIS YEAR 1952

ASTRONOMICAL CALCULATIONS.

| nation. | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. | 0 / | Days. |
|---|---|---|---|---|---|---|---|---|---|
| | 1 | 3s. 03 | 7 | 5 22 | 13 | 7 38 | 19 | 0 51 | 25 |
| | 2 | 3 26 | 8 | | | | | | |

"Astronomical Calculations"

. . . to quote the Almanac! And that's the phrase for it! Our retail life has been one after the other, bless 'em!

. . . the number of birthdays we've had, 101, is more than any other large store in the United States.

. . . the number of customers we've served since your great-great-grandparents' time would people our fair New England states twice over.

. . . the records we've set in 'cash-on-the-barrel-head' business with old and new New England firms would daze the financial wizards of the world.

But what impresses us most is that all these astronomical records have been toted up one-by-one, from warm, friendly gestures of individual customers over the years. We can't help hoping that this world's peoples will live in such harmony.

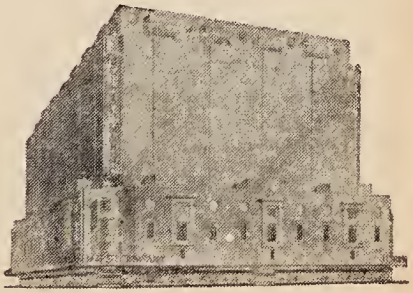
We wish you all a blessed and Happy New Year.

# JORDAN MARSH COMPANY

*New England's*

*Largest*

*Store*



BUILDING FOR BOSTON

BUILDING FOR NEW ENGLAND

# IT'S ALWAYS FAIR WEATHER

. . . when you have plenty of Clicquot Club on hand. These fine-flavored drinks add zest and enjoyment to any occasion.

Pale Dry and Golden Ginger Ale

| | | |
|---|---|---|
| Sarsaparilla | Cream Soda | Vineyard Punch |
| Tom Collins Mix | Root Beer | Lime Rickey |
| Sparkling Water | Orange Soda | Raspberry |
| Lemon and Lime | Cola | Quinine Water |

*ALWAYS GET* **CLICQUOT CLUB**
**BEVERAGES**

*MADE IN AMERICA — BEST IN THE WORLD*

*Photo by R. S.*

Eight A.M., November 1, 1950 to left of highway from Northfield to Millers Falls, Massachusetts.

*Photo by R. S.*

MARCH SUN, MELTING SNOWS
Dublin, New Hampshire.

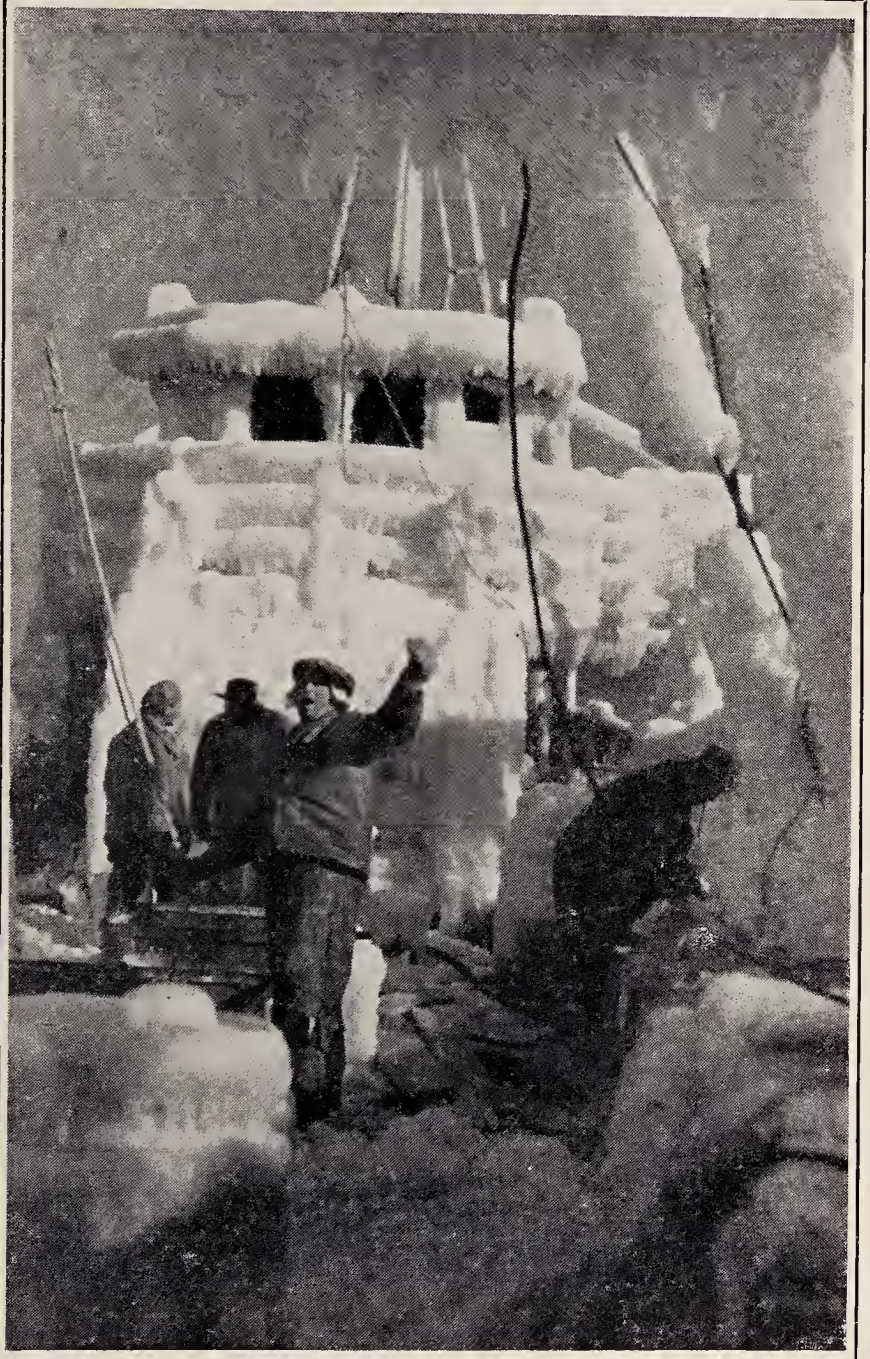


*Photo by Arthur Griffin*

"HOIST AWAY"
Winter scene at Boston Fish Pier.

## WHERE ELSE WOULD YOU FIND IT . . . ?

Chester Dutton, long time auctioneer in these parts, always asks this question when he has on his auction table some particularly fine piece. The item at hand just is not to be found other than there and at that moment.

Thousands of others ask the same question after they have looked over a copy of YANKEE Magazine . . . and the hundreds of items in it which just are not found anywhere else. YANKEE is not on sale at the news stands everywhere. It is hard to find because it is sold by subscription only. Furthermore, you won't find quotations from it in any of the so-called "digest" magazines either.

YANKEE Magazine is a true reflection of the gracious American way of life. Your subscription to it is in a sense your affirmation of this way of life—one of the ways you have telling Stalin and his racketeer "comrades" you haven't any idea of giving in to them either on the fighting or the home front.

So, don't let this opportunity go by (it is made up for you by the publisher of The Old Farmer's Almanac, and it comes to you, just as the Almanac does, from the building shown above.)

THIS IS IT: For only One Dollar (Cash, Stamps, or Money Order) we will send you the next six monthly issues of YANKEE. To ORDER: Just fill out the coupon below, enclose One Dollar, and mail to Yankee, Inc., Dublin, New Hampshire.

Cordially yours,

*Robb Sagendorph,*
President, Yankee, Inc.

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**YANKEE, INC., DUBLIN, NEW HAMPSHIRE, U.S.A. . . . Yes, Yankee, I want the next six issues of Yankee Magazine. I enclose One dollar.**

**Name** .....

**Street** .....

**City** .....**Zone** .....**State** .....

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**P.S. If you prefer not to clip the coupon, your order in a letter or on a card will do as well. Free sample copy, of course, of YANKEE if you'd like to have a look first.**

# Here's your own Soda Almanac of household uses!

## Cleaner, Sweeter Refrigerator —in Half the Time

● Baking soda emulsifies greasy film so you simply wipe it off! No scrubbing, no scouring—there are no suds or grit to rinse away. And baking soda *sweetens* as it cleans — actually removes sour, musty food odors that adhere to enamel. *Safe with* food, pure baking soda keeps your refrigerator *safe for* food.

Baking soda is the cleanser recommended by leading refrigerator manufacturers.

## KEEP BAKING SODA ALWAYS HANDY

- Eases *cold discomfort*
- *Soothes* insect bites
- Soothes *minor burns*
- *Relieves* pain of sunburn
- Relieves distress of *acid indigestion*
- *Cleans teeth* safely, economically
- Makes a good *mouthwash* or *gargle*
- Cleans milking and *dairy equipment*
- *Dissolves milk ring* in baby bottles
- Cleans and sweetens *vacuum bottles*
- Keeps *glassware* clean and sparkling
- *Removes film* from glass coffee makers
- Smothers small kitchen *fires*

ARM & HAMMER and COW BRAND BAKING SODA are pure Bicarbonate of Soda, U.S.P.

**Send for valuable *FREE* booklet**

Church & Dwight Co., Inc., 70 Pine Street, New York 5, N.Y.

**Try ARM & HAMMER WASHING SODA or SAL SODA for clogged drains, traps, etc. Excellent for car and tractor radiators.**

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SPRING.

SUMMER.

## For 97 Years

this bank, with resources of more than $200,000,000, has believed in the power of thrift to the individual, the family and the community.

*Why not join the more than 1,270,000 persons who have saved with safety at New England's largest savings bank?*

Remember: our **Bank-by-Mail** service enables you to choose your own banking day or hour. Write or 'phone today.

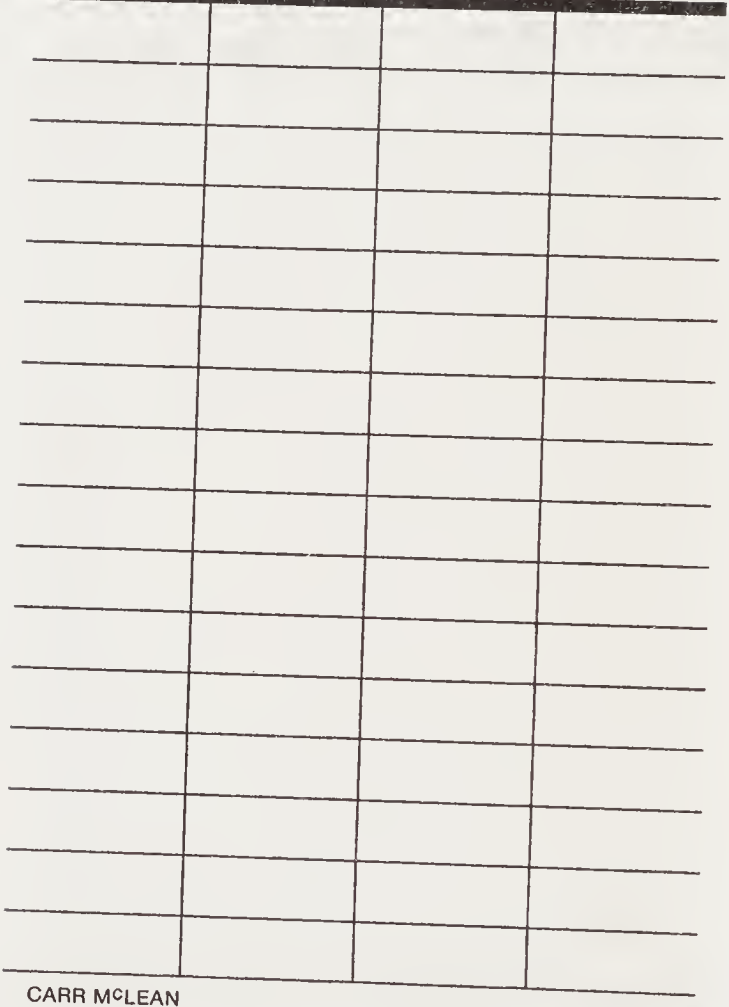
AUTUMN.

WINTER.

**THE BOSTON FIVE CENTS SAVINGS BANK**

30 SCHOOL STREET, BOSTON, MASSACHUSETTS

DATE DUE / DATE DE RETOUR



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